BUMATECH
Tile Adhesive • Waterproofing • Dry Mix • Construction Chemicals

10.2026

PRODUCT CATALOGUE

11
YEARS
10.2015 – 10.2026



1.TA TILE ADHESIVE
2.TG TILE GROUT
3.WP WATERPROOFING
4.SLC SELF-LEVELLING COMPOUND
5.MOTA CONSTRUCTION MORTAR
6.FINI FINISHING
7.SP SPECIALITY
8.ACC ACCESSORIES

BUILD BETTER · LIVE GREENER

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11 YEARS IN NUMBERS

2015
Year founded
11 years of growth

64
Products with bilingual
Vietnamese – English TDS

868+
Past and current
customers

23,000+
Tonnes for 23 key high-rise
projects, 2018 – 2025

6,000m²
Factory in
Đức Lập, Tây Ninh

100%
Finished batches tested
before leaving the factory

All figures in this catalogue are taken unchanged from the one-page technical data sheets (TDS), version **v2026.10**. Each product card carries a QR code that opens the full TDS — technical data table, application area table, safety instructions and recommendations. For tender documents or acceptance, please use the latest TDS.

LETTER · 10.2015 – 10.2026

ELEVEN YEARS BUILDING ALONGSIDE YOU

Dear valued customers and partners,

BUMATECH was founded in October 2015 on a simple belief: materials are not merely an “input” to a project, but the foundation that determines the durability, safety and long-term value of the spaces where we live and work.

For eleven years we have followed a path of discipline, engineering and systems thinking — investing in research and development, controlling quality from raw materials to finished products, and taking site practice as our yardstick. From its first product lines, BUMATECH has grown into an integrated system of finishing materials, trusted by more than 868 customers and dozens of key projects nationwide.

The 10.2026 catalogue is our 11th-anniversary gift to you: for the first time, **64 products in five lines** are presented in a single publication, with figures fully consistent with the bilingual technical data sheets v2026.10 — making material selection faster, more accurate and more transparent.

We sincerely thank our customers and partners for their trust throughout the journey so far, and we pledge to remain a reliable technical partner — working alongside you to create sustainable buildings.

Yours sincerely,

VÕ TRUNG TÍN

Founder / Chief Executive Officer

Engineer in Building Materials – Ho Chi Minh City University of Technology
Master in ESG – Asian Institute of Technology (AIT, Thailand)

11
YEARS

Engineering as the foundation, quality as the standard.

THREE PILLARS

Quality as the foundation
End-to-end control from raw materials to finished products.

People at the centre
Our team, partners and applicators — safe and supported.

Governance as the backbone
Clear processes, defined accountability, verifiable data.

OUR JOURNEY

ELEVEN YEARS OF SELECTIVE GROWTH

From an engineering foundation to an integrated solution system — with green certification, ESG and standardised technical documentation.

2015

THE BEGINNING

BUMATECH is founded (10.2015) with a focus on finishing construction materials, and a guiding philosophy: engineering at the root, quality as the standard.

2016 – 2017

LAYING THE FOUNDATIONS

First product lines completed; experience built on residential and housing projects; a core technical team formed. Joined the Vietnam and Singapore Green Building Councils.

2018 – 2019

EXPANSION & STANDARDISATION

Range expanded as a system; a stable network of customers and partners established. First products certified as green products by the Singapore Green Building Council (SGBC).

2020 – 2021

CHALLENGE & ADAPTATION

Market and supply-chain turbulence overcome; formulations optimised and product consistency improved; internal capability and operating discipline strengthened.

2022 – 2023

SELECTIVE GROWTH

Product system completed for many building types; stronger presence on large, technically demanding projects; technical support and integrated application solutions stepped up.

2024 – 2025

A SUSTAINABLE DIRECTION

Brand repositioned for professionalism and the long term; sustainability, ESG and transparent governance built into the business.

2026

STANDARDISED DOCUMENTATION

Technical documentation and identity standardised: bilingual one-page TDS for 64 products in five lines, line catalogues, product brochures and an eight-line identity system.

10.2026

11TH ANNIVERSARY

First full catalogue published — 64 products, five lines, one consistent set of data from factory to site.

Member of the Singapore Green Building Council (SGBC) and the Vietnam Green Building Council (VGBC). Product-level certifications (SGBP, EPD) are shown on each product card.

PRODUCT SYSTEM

FIVE LINES — ONE MATERIAL SYSTEM

Our product lines are designed as one complete layered system — compatible with and supporting each other within the same installation. Each line has its own index colour, used consistently on packaging, catalogues, technical data sheets and warehouse labels.



1.TA
TILE ADHESIVE

Bonding tile to substrate — stable, lasting adhesion for many tile types and site conditions. P. 06

BuMaGREEN · BuMaFIX · BuMaECO · BuMaSET · BuMaBOND · BuMaFLEX · PorceRAPID · CeRaLASTIC · CeRaPOXY TA

9 PRODUCTS



2.TG
TILE GROUT

Finishing tile joints — watertight joints, less cracking and a better-looking surface. P. 13

CeRaCOLOR · CeRaCOLOR USG · CeRaCOLOR USG EXTRA · CeRaCOLOR ADMIX · CeRaPOXY TG

5 PRODUCTS



3.WP
WATERPROOFING

Protection against water and moisture — roofs, wet rooms, balconies, basements, tanks. P. 20

BuMaLATEX · LATEX SP · PRIMER W · PRIMER F · PRIMER MOI · K11W · K11F · FLEX WP 2K · BuMaLASTIC · WALLCOAT · PROOF 668 · PUA 680 · EnerSAV · SolarSHIELD · BuMaTAPE · BuMaFAB · BuMaMESH 70 · BuMaMESH 150

18 PRODUCTS



4.SLC
SELF-LEVELLING COMPOUND

Levelling floors to standard and creating a stable base for the finish. P. 31

BuMaPRIMER · BuMaLEVEL · SLU 210.16 · SLU 210.25 · SLU 210.35 · SLU 1040.35 · SLO 540.40

7 PRODUCTS



5.MOTA
CONSTRUCTION MORTAR

Structure and finishing — strong bond, structural stability, repair mortars. P. 38

BuMaFILL 30 · BuMaFILL 50 · BuMaFILL 70 · BuMaFILL 90 · TopHARD · Skim 2in1 IN · Skim 2in1 EX · AAC-J · FLEX JC 2K · IWR · WTP MOTA · PATCH 20 · PATCH 40 · PATCH 60 · Re 75 · Re 100 · Sc 100 · Sc 150 · Sc 200 · Sc 250 · Sc 300 · Sc 350 · Sc 400 · Sc 500 · Sc 600

25 PRODUCTS

HOW TO READ EACH LINE IN THIS CATALOGUE

Line opening page
List of the line's products, with the page of each product card

Quick selection
Four steps to the right product and the line's own contents

Comparison
The products of the line side by side on their key data

Product card
Description, data, classification; a QR code opens the technical data sheet of that product

Selection by application
Tables of application areas, substrate requirements and coverage

Application procedure
Application steps with illustrations and notes

PRODUCT LINE 1.TA

TILE ADHESIVE

Bonding tile to substrate — stable, lasting adhesion for many tile types and site conditions. The line comprises **9 products** — use the table below for quick selection; details of each product follow on the next pages.



LINE 1.TA PRODUCT LIST

PRODUCT	DESCRIPTION	CLASSIFICATION · STANDARD	PACKAGING	PAGE
BuMaGREEN	Cementitious tile adhesive · Interior use · General purpose	EN 12004-1:2017 · ZA — standard mix · C2 — when mixed with BuMaLATEX diluted with water	25kg/bag	09
BuMaFIX	Multi-purpose tile adhesive · High adhesion	EN 12004-1:2017 · C1 — when mixed with water · C2TE — when mixed with LATEX SP diluted with water	25kg/bag	09
BuMaECO	Interior & exterior tile adhesive · High adhesion · Slip resistant	EN 12004-1:2017 · C1T — when mixed with water · C2TES1 — when mixed with CeRaLASTIC	25kg/bag	09
BuMaSET	Exterior tile adhesive · High performance	EN 12004-1:2017 · C2 — improved cementitious tile adhesive	25kg/bag	09
BuMaBOND	Premium exterior tile adhesive · Large-format tiles	EN 12004-1:2017 · C2TE — improved adhesion, extended open time	25kg/bag	09
BuMaFLEX	Premium flexible tile adhesive · Vibration resistant	EN 12004-1:2017 · C2TES1 — improved adhesion, slip resistance, extended open time, transverse deformation	25kg/bag	10
PorceRAPID	Rapid-setting tile adhesive · Two-component cementitious	EN 12004-1:2017 · C2F — improved adhesion, rapid setting	33kg set (A: 8.0kg · B: 25kg)	10
CeRaLASTIC	Speciality admixture · For tile adhesive	EN 12004-1:2017 · C2TES1 — classification of the BuMaECO + CeRaLASTIC system	7.5kg/pail and 20kg/pail	10
CeRaPOXY TA	Epoxy tile adhesive · 2-component · Chemical resistant	EN 12004-1:2017 · R2T — reaction-resin adhesive, improved adhesion, slip resistance	5.2kg/set	10

Used with tile adhesives: the two latex admixtures **BuMaLATEX** and **LATEX SP** of the 3.WP line — product cards on page 10.

CONTENTS

Contents and quick selection chart
4 steps to the right product — 7

Quick comparison of 11 products
Classification · Coverage · Adhesion · Recommended areas — 8

Products 01 - 05
BuMaGREEN · BuMaFIX · BuMaECO · BuMaSET · BuMaBOND — 9

Products 06 - 11
BuMaFLEX · PorceRAPID · CeRaLASTIC · CeRaPOXY TA · BuMaLATEX · LATEX SP — 10

Adhesive selection table by area
Largest tile size by application area and exposure — 11

12-step application procedure
Tools · 12 standard steps · 3 golden rules · Milestones after tiling — 12

11 PRODUCTS IN THE 1.TA LINE

- BuMaGREEN
- BuMaFIX
- BuMaECO
- BuMaSET
- BuMaBOND
- BuMaFLEX
- PorceRAPID
- CeRaLASTIC
- CeRaPOXY TA
- BuMaLATEX
- LATEX SP

CHOOSE THE RIGHT ADHESIVE IN FOUR STEPS

Tile adhesive decides the service life of the whole tiled surface. Under-specify and the tiles debond; over-specify and the cost goes up.

01 — Application area
Floors · Walls · Waterproofed surfaces · Tile-on-tile · Swimming pools · Water tanks · Cemboard.

02 — Exposure
Interior · Exterior, covered · Exterior, uncovered.

03 — Tile size
Measure the longest edge of the tile. The table on page 11 gives the **largest size** each product can take.

04 — Product
Find your area and exposure; pick a product whose cell is **no smaller than** the tile. Cells marked * need the admixture.

11
PRODUCTS IN THE LINE
6 cementitious · 1 rapid-setting two-component · 1 epoxy adhesive · 3 class-upgrading admixtures.

6
PRODUCTS WITH AN EPD
Environmental Product Declarations registered with The International EPD System; number on each product card. 3 products also carry the Singapore Green Building Council SGBP label.

9/11
PRODUCTS WITH VOC 0g/l
Volatile organic compound content measured to USEPA Method 24 — requirement ≤ 65g/l, result 0g/l.

All data in this document are taken from the issued **Technical Data Sheet (TDS) version 2026.10** of each product. Scan the QR code on each product card to open the latest TDS. Where this document and the TDS differ, **the TDS prevails.**

11 PRODUCTS ON ONE PAGE

Coverage is for a 1mm adhesive layer · Adhesion is the adhesion strength after 28 days to TCVN 7899-2:2008 and EN 12004-2:2017

Product	Classification EN 12004-1:2017	Coverage kg/m²	Adhesion 28 days · MPa	Pot life	Packaging	Recommended areas
BuMaGREEN Interior use · General purpose	ZA » C2*	~1.40	≥ 0.8	02 hours	25kg/bag	Interior · Light loads
BuMaFIX Multi-purpose · High adhesion	C1 » C2TE*	~1.30	≥ 1.2	04 hours	25kg/bag	Interior and exterior
BuMaECO Interior & exterior · High adhesion · Slip resistant	C1T » C2TES1*	~1.30	≥ 1.4	04 hours	25kg/bag	Interior and exterior
BuMaSET Exterior · High performance	C2	~1.25	≥ 1.4	04 hours	25kg/bag	Interior and exterior
BuMaBOND Premium exterior · Large-format tiles	C2TE	~1.25	≥ 1.7	08 hours	25kg/bag	Exterior · Large-format tiles
BuMaFLEX Premium flexible · Vibration resistant	C2TES1	~1.15	≥ 2.0	08 hours	25kg/bag	Exterior · Vibration · Large tiles
PorceRAPID Rapid-setting · Two-component	C2F	~1.70	≥ 1.5	30 minutes	33kg set	Interior and exterior · Early return to service
CeRaLASTIC Speciality admixture for tile adhesive	C2TES1 with **BuMaECO**	~0.4	≥ 2.5	01 hour	7.5kg/pail and 20kg/pail	System with **BuMaECO** · Exterior
CeRaPOXY TA Two-component epoxy · Chemical resistant	R2T	~1.8	≥ 4.0†	15 minutes	5.2kg/set	Metal · Cemboard · Chemicals
BuMaLATEX Multi-purpose latex admixture · 3.WP line	ASTM C1059/ C1059M-21	–	≥ 2.0‡	45 minutes	05kg/pail and 20kg/pail	Admixture for **BuMaGREEN**
LATEX SP Special bonding admixture · 3.WP line	ASTM C1059/ C1059M-21	–	≥ 2.5‡	45 minutes	05kg/pail and 20kg/pail	Admixture for **BuMaFIX**

* With the companion admixture: **BuMaGREEN** + **BuMaLATEX** diluted with water · **BuMaFIX** + **LATEX SP** diluted with water · **BuMaECO** + **CeRaLASTIC**

† **CeRaPOXY TA** is tested for **shear** adhesion strength, a different test from that used for cementitious products

‡ Adhesion of **BuMaGREEN** mixed with **BuMaLATEX** and of **BuMaFIX** mixed with **LATEX SP**; the bonding slurry itself meets ≥ 2.8MPa (**BuMaLATEX**) and ≥ 8.6MPa (**LATEX SP**) to ASTM C1059/C1059M-21

Alkali resistance, oil resistance (poor with vegetable oils) and solvent resistance: **Very good** — **BuMaGREEN** · **BuMaFIX** · **BuMaECO** · **BuMaSET** · **BuMaBOND** · **BuMaFLEX** · **PorceRAPID** · **CeRaLASTIC**

Pot life is measured at 35°C; for **BuMaLATEX** and **LATEX SP** it is the pot life of the diluted solution used for tile adhesive. Laboratory test results; actual values vary with temperature, humidity, accompanying materials and workmanship.

HOW TO READ THE EN 12004-1:2017 CLASSIFICATION

C
Cementitious adhesive

R
Reaction-resin adhesive

1
Normal adhesion

2
Improved adhesion

F
Rapid setting

T
Slip resistance

E
Extended open time

S1
Deformable · 2.5 - 5.0mm

Combine the symbols to read a class: **C2TE** is a cementitious adhesive with improved adhesion, slip resistance and extended open time. **ZA** on the **BuMaGREEN** card is the marking designation under Annex ZA of EN 12004-1:2017.

CEMENTITIOUS TILE ADHESIVES · 01 - 05

Coverage is for a 1mm adhesive layer · Adhesion to TCVN 7899-2:2008 and EN 12004-2:2017



BuMaGREEN

INTERIOR USE · GENERAL PURPOSE

Cementitious tile adhesive mixed with water, for small-format ceramic and porcelain tiles and stone in **interior areas** — living rooms, bathrooms, kitchens, light commercial floors.

~1.40 kg/m²	≥ 0.8 MPa	≥ 0.8 MPa	05 min
Coverage · 1mm layer	Adhesion · 28 days	After water immersion	Adjusting time

25kg/bag · Colour: Grey · Shelf life: 12 months
WATER MIXING RATIO 5.50 - 6.00L per 25kg bag

CLASSIFICATION EN 12004-1:2017





ZA standard mix
C2 when mixed with **BuMaLATEX** diluted with water

BuMaGREEN



BuMaFIX

MULTI-PURPOSE · HIGH ADHESION

Tile adhesive mixed with water or with **LATEX SP** latex admixture, for ceramic and porcelain tiles and stone in **interior and exterior areas**. Free of volatile organic compounds.

~1.30 kg/m²	≥ 1.2 MPa	≥ 1.0 MPa	10 min
Coverage · 1mm layer	Adhesion · 28 days	After water immersion	Adjusting time

25kg/bag · Colour: Grey / White · Shelf life: 12 months
WATER MIXING RATIO Grey: 6.25 - 6.75 · White: 6.63 - 6.88L per 25kg bag

CLASSIFICATION EN 12004-1:2017





C1 when mixed with water
C2TE when mixed with **LATEX SP** diluted with water

EPD INTERNATIONAL EPD SYSTEM SGBP 5758
EPD-IES-0028308

BuMaFIX



BuMaECO

INTERIOR & EXTERIOR · HIGH ADHESION · SLIP RESISTANT

Tile adhesive for **interior and exterior areas**, high adhesion, slip resistant; for concrete, cemboard, existing tiles and waterproofed surfaces. With **CeRaLASTIC** it reaches C2TES1.

~1.30 kg/m²	≥ 1.4 MPa	≥ 1.2 MPa	10 min
Coverage · 1mm layer	Adhesion · 28 days	After water immersion	Adjusting time

25kg/bag · Colour: Grey / White · Shelf life: 12 months
WATER MIXING RATIO Grey: 6.25 - 6.75 · White: 6.63 - 6.88L per 25kg bag

CLASSIFICATION EN 12004-1:2017





C1T when mixed with water
C2TES1 when mixed with **CeRaLASTIC**

EPD INTERNATIONAL EPD SYSTEM SGBP 3432
EPD-IES-0028307

BuMaECO



BuMaSET

EXTERIOR · HIGH PERFORMANCE

Tile adhesive mixed with water, for medium-format ceramic and porcelain tiles and stone in **interior and exterior areas**. Classified C2, free of volatile organic compounds.

~1.25 kg/m²	≥ 1.4 MPa	≥ 1.2 MPa	10 min
Coverage · 1mm layer	Adhesion · 28 days	After water immersion	Adjusting time

25kg/bag · Colour: Grey / White · Shelf life: 12 months
WATER MIXING RATIO 6.25 - 6.75L per 25kg bag

CLASSIFICATION EN 12004-1:2017



C2 improved cementitious tile adhesive

EPD INTERNATIONAL EPD SYSTEM **EPD-IES-0028311**

BuMaSET



BuMaBOND

PREMIUM EXTERIOR · LARGE-FORMAT TILES

Premium tile adhesive with a high polymer content and **extended open time** — for exterior work, demanding weather conditions, large-format tiles and glass mosaic.

~1.25 kg/m²	≥ 1.7 MPa	≥ 1.4 MPa	15 min
Coverage · 1mm layer	Adhesion · 28 days	After water immersion	Adjusting time

25kg/bag · Colour: Grey / White · Shelf life: 12 months
WATER MIXING RATIO Grey: 6.25 - 6.75 · White: 6.38 - 6.88L per 25kg bag

CLASSIFICATION EN 12004-1:2017



C2TE improved adhesion, extended open time

EPD INTERNATIONAL EPD SYSTEM SGBP 3762
EPD-IES-0028306

BuMaBOND

SPECIALITY ADHESIVES AND ADMIXTURES · 06 - 11

Flexible adhesive, rapid-setting adhesive, epoxy adhesive and 3 admixtures that upgrade the classification of cementitious adhesives



BuMaFLEX

PREMIUM FLEXIBLE · VIBRATION RESISTANT

Premium tile adhesive with a high polymer content, **deformable**, with extended open time — for large-format tiles, areas subject to vibration and exterior work.

~1.15 kg/m²	≥ 2.0 MPa	≥ 2.0 MPa	20 min
Coverage · 1mm layer	Adhesion · 28 days	After water immersion	Adjusting time

25kg/bag · Colour: Grey / White · Shelf life: 12 months
WATER MIXING RATIO 6.25 - 6.75L per 25kg bag

CLASSIFICATION EN 12004-1:2017

C2TES1 improved adhesion, slip resistance, extended open time, transverse deformation

EPD INTERNATIONAL EPD SYSTEM **EPD-IES-0028309**

BuMaFLEX



PorceRAPID

RAPID-SETTING · TWO-COMPONENT

Two-component cementitious adhesive: a bagged powder and a synthetic latex liquid. Rapid setting — grout walls after 02 hours, open to foot traffic after 06 hours.

~1.70 kg/m²	≥ 1.5 MPa	≥ 1.3 MPa	05 min
Coverage · 1mm layer	Adhesion · 28 days	After water immersion	Adjusting time

33kg set (A: 8.0kg · B: 25kg) · Colour: Grey · Shelf life: 06 months
MIXING RATIO 7.5 - 8.0kg A / 25kg B

CLASSIFICATION EN 12004-1:2017

C2F improved adhesion, rapid setting

PorceRAPID



CeRaLASTIC

SPECIALITY ADMIXTURE FOR TILE ADHESIVE

Admixture mixed with **BuMaECO** adhesive to raise bond strength and deformability — large-format ceramic tiles, marble and natural stone, exterior areas, areas subject to load and heavy vibration.

~0.4 kg/m²	≥ 2.5 MPa	≥ 1.5 MPa	20 min
Coverage · 1mm layer	Adhesion · 28 days	After water immersion	Adjusting time

7.5kg/pail and 20kg/pail · Colour: Milky white · Shelf life: 12 months
DOSAGE ~7.50kg per 25kg bag of **BuMaECO**

CLASSIFICATION EN 12004-1:2017

C2TES1 classification of the **BuMaECO** + **CeRaLASTIC** system

EPD INTERNATIONAL EPD SYSTEM **EPD-IES-0028312**

CeRaLASTIC



CeRaPOXY TA

TWO-COMPONENT EPOXY · CHEMICAL RESISTANT

Two-component, solvent-free **epoxy** tile adhesive with chemical resistance — bonds to metal, cemboard and plasterboard; industrial areas and laboratories.

~1.8 kg/m²	≥ 4.0 MPa	≥ 4.0 MPa	05 min
Coverage · 1mm layer	Shear adhesion	After water immersion	Adjusting time

5.2kg/set · Colour: White · Shelf life: 12 months
MIXING RATIO A : B = 3 : 1

CLASSIFICATION EN 12004-1:2017

R2T reaction-resin adhesive, improved adhesion, slip resistance

CHEMICAL RESISTANCE · 13 TESTED

10 days short term	Excellent: 12 chemicals Good: acetone
30 days long term	Excellent: 10 chemicals Good: HCl 37% Poor or none: HNO_3 40%, acetone

CeRaPOXY TA



BuMaLATEX

MULTI-PURPOSE LATEX ADMIXTURE

Mixed with **BuMaGREEN** to reach class C2

1.5kg	≥ 2.0 MPa	≥ 1.5 MPa	45 min
Per 25kg bag	Adhesion · 28 days	After immersion	Pot life

05kg/pail and 20kg/pail · Colour: Milky white · Shelf life: 24 months · 3.WP line
MIX RATIO 1.5kg **BuMaLATEX** + 4.5kg water + 25kg **BuMaGREEN**
BONDING SLURRY ASTM C1059/C1059M-21 · Slant shear ≥ 2.8MPa: Pass

BuMaLATEX



LATEX SP

SPECIAL BONDING ADMIXTURE

Mixed with **BuMaFIX** to reach class C2TE

1.5kg	≥ 2.5 MPa	≥ 1.8 MPa	45 min
Per 25kg bag	Adhesion · 28 days	After immersion	Pot life

05kg/pail and 20kg/pail · Colour: Milky white · Shelf life: 24 months · 3.WP line
MIX RATIO 1.5kg **LATEX SP** + 4.5kg water + 25kg **BuMaFIX**
BONDING SLURRY ASTM C1059/C1059M-21 · Slant shear ≥ 8.6MPa: Pass

LATEX SP

ADHESIVE SELECTION TABLE BY AREA AND TILE SIZE

The figure in each cell is the **largest tile size** in **cm × cm** the product can take. Cells with two sizes: the upper size is for the water mix, the lower size marked * is with the companion admixture.

FLOOR TILING AND WALL TILING

Product	Floor tiling			Wall tiling · Max height 3m			Wall tiling · Max height 6m		
	Interior	Exterior covered	Exterior uncovered	Interior	Exterior covered	Exterior uncovered	Interior	Exterior covered	Exterior uncovered
BuMaGREEN * + BuMaLATEX	80 × 80 90 × 180*	80 × 80 90 × 180*	80 × 80*	40 × 80	30 × 60	60 × 120*	30 × 60 90 × 90*	80 × 80*	40 × 80*
BuMaFIX * + LATEX SP	80 × 160 90 × 180*	80 × 160 90 × 180*	40 × 40 80 × 160*	80 × 80	60 × 60	40 × 80 80 × 160*	60 × 60 80 × 160*	40 × 40 60 × 120*	30 × 60 60 × 120*
BuMaECO * + CeRaLASTIC	80 × 160 100 × 300*	80 × 160 100 × 300*	60 × 120 100 × 300*	90 × 90 100 × 300*	80 × 80 90 × 180*	60 × 60 90 × 180*	80 × 80 100 × 300*	60 × 60 90 × 180*	40 × 80 80 × 160*
BuMaSET	90 × 180	90 × 180	80 × 80	80 × 160	60 × 120	60 × 120	90 × 90	80 × 80	40 × 80
BuMaBOND	90 × 180	90 × 180	80 × 160	90 × 180	80 × 160	80 × 160	80 × 160	60 × 120	60 × 120
BuMaFLEX	100 × 300	100 × 300	100 × 300	100 × 300	90 × 180	90 × 180	100 × 300	90 × 180	80 × 160
PorceRAPID	80 × 160	80 × 160	80 × 160	80 × 160	80 × 80	80 × 80	80 × 80	60 × 60	60 × 60
CeRaPOXY TA	80 × 160	80 × 160	–	80 × 160	80 × 80	–	80 × 160	80 × 80	–

Walls **above 6m** height: Contact the technical department for all products.

WATERPROOFED SURFACES AND SPECIAL AREAS

Product	Cementitious / acrylic / PU waterproofed surface			Special areas · Tile size for interior use			
	Interior	Exterior covered	Exterior uncovered	Tile-on-tile installation	Swimming pools	Potable water tanks	Cemboard
BuMaGREEN * + BuMaLATEX	40 × 40*	40 × 40*	40 × 40*	60 × 60*&**	40 × 80*&**	80 × 80*&**	–
BuMaFIX * + LATEX SP	60 × 60*	60 × 60*	60 × 60*	80 × 80*	40 × 80*	80 × 80*	60 × 60*
BuMaECO * + CeRaLASTIC	80 × 80*	80 × 80*	80 × 80*	60 × 120*	40 × 80*	80 × 80*	80 × 80*
BuMaSET	40 × 40	40 × 40	40 × 40	60 × 60**	40 × 80**	80 × 80**	–
BuMaBOND	60 × 60	60 × 60	60 × 60	80 × 80	40 × 80	80 × 80	60 × 60
BuMaFLEX	80 × 80	80 × 80	80 × 80	60 × 120	40 × 80	80 × 80	80 × 80
PorceRAPID	60 × 60	60 × 60	60 × 60	60 × 60	60 × 60	60 × 60	–
CeRaPOXY TA	60 × 60	60 × 60	60 × 60	60 × 60	60 × 60	60 × 60	60 × 60

Tile-on-tile installation, swimming pools, potable water tanks and cemboard in **exterior** areas: Contact the technical department for all products.

* With the companion admixture: **BuMaGREEN** + **BuMaLATEX** diluted with water · **BuMaFIX** + **LATEX SP** diluted with water · **BuMaECO** + **CeRaLASTIC**
** For tiles and stone with water absorption > 3% only
– Not published; contact the technical department

All products: Maximum tile load 60kg/m² · For optimal adhesion, apply an additional thin layer of adhesive to the back of the tile or stone. **CeRaLASTIC** is used in a system with **BuMaECO** — read the cells marked * in the **BuMaECO** row.

TWELVE STANDARD APPLICATION STEPS

Photos show **BuMaGREEN** — the procedure is common to cementitious adhesives mixed with water. Water mixing ratio, pot life and adjusting time **differ from product to product** — see the product cards on pages 9 - 10 or the TDS.



B1

Check the substrate

Substrate sound, flat, clean and vacuumed free of dust. Surface temperature 5 - 35°C.



B2

Measure the water

Measure the amount of water stated on the bag into a clean bucket — each product has its own ratio.



B3

Add adhesive to water

Add the powder gradually to the water while stirring. **Never the other way round.**



B4

Mix at low speed

Mix with a slow-speed mixer at 300 - 600rpm until the mix is uniform.



B5

Rest 05 minutes, remix

Let the mix rest 05 minutes so the additives activate, then stir again.



B6

Dampen the substrate

Mist the substrate evenly — damp and darker, **no standing water**.



B7

Thin bond coat

With a flat trowel, press a thin coat firmly onto the substrate.



B8

Comb in one direction

Comb with the notched trowel in **one direction only**, never in circles.



B9

Back-butter the tile

Tiles 40 × 40cm and larger: also butter the back of the tile.



B10

Place and tap the tile

Place the tile, tap evenly with a rubber mallet for full coverage.



B11

Levelling clips and pliers

Fit clips and wedges, tighten with pliers — flat surface, even joints.



B12

Wipe off excess

Wipe off excess adhesive with a damp sponge while still wet.

TOOLS TO PREPARE

Vacuum cleaner · Aluminium straightedge · Laser level · Water sprayer · Measuring jug · Mixing bucket · Mixer · Flat trowel · Notched spreader · Notched trowel · Levelling clip set · Levelling pliers · Rubber mallet · Tile vibrator · Sponge

Mix only what you can use

Mix only as much adhesive as can be applied within the pot life of the product.

No water once it stiffens

Adhesive that has started to stiffen must be discarded; do not add water and remix.

Tap-test after fixing

Tap a few tiles at random to detect any voids beneath the tile.

AFTER TILING

Grouting: **Walls after 6 hours · Floors after 24 hours** · Foot traffic **after 24 hours** · Ready to use **after 07 days**

PorceRAPID only — Grouting: **Walls after 02 hours · Floors after 06 hours** · Foot traffic **after 06 hours** · Ready to use **after 01 day**

PRODUCT LINE 2.TG

TILE GROUT

Finishing tile joints — watertight joints, less cracking and a better-looking surface. The line comprises **5 products** — use the table below for quick selection; details of each product follow on the next pages.



LINE 2.TG PRODUCT LIST

PRODUCT	DESCRIPTION	CLASSIFICATION · STANDARD	PACKAGING	PAGE
CeRaCOLOR	Fine tile grout · For interior dry areas	EN 13888-1:2022 · ISO 13007-3:2010 · CG1 — mixed with water · CG2WA — when used with CeRaCOLOR ADMIX	01kg/bag and 20kg/carton box	16
CeRaCOLOR USG	Fine tile grout · For interior dry and wet areas	EN 13888-1:2022 · ISO 13007-3:2010 · CG2A	01kg/bag and 20kg/carton box	16
CeRaCOLOR USG EXTRA	Premium tile grout · Water-repellent	EN 13888-1:2022 · ISO 13007-3:2010 · CG2WA	01kg/bag and 20kg/carton box	16
CeRaCOLOR ADMIX	Adhesion-enhancing and waterproofing additive · For tile grout	EN 13888-1:2022 · ISO 13007-3:2010 · CG2WA — classification of the grout system when mixed with ADMIX	380g/bottle and 20kg/pail	17
CeRaPOXY TG	Epoxy tile grout · Chemical resistant · Ultra-durable	EN 13888-1:2022 · ISO 13007-3:2010 · RG	5.2kg/set (A: 4.9kg · B: 0.3kg)	17

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5 PRODUCTS IN THE 2.TG LINE

CEMENT-BASED

- CeRaCOLOR
- CeRaCOLOR USG
- CeRaCOLOR USG EXTRA

ADDITIVE

- CeRaCOLOR ADMIX

EPOXY-BASED

- CeRaPOXY TG

Do not choose by joint width. All 5 products cover the same **1 - 6mm** joint range — choose by **application area**, see the table on page 15.

CHOOSE THE RIGHT TILE GROUT IN FOUR STEPS

Grout joints are a small part of the surface, yet the first thing seen and directly exposed to water and wear.

01
Application areas

Dry interior · Wet interior · Exterior · Swimming pool · Water tank · Chemical resistance — the six columns on page 15.

02
Suitability

Prefer a product marked **Ideal** in that column.

- ✓✓ Ideal
- ✓ Suitable
- ✗ Unsuitable

03
Water or additive

✓✓* **Ideal** when mixed with the additive

Replace the mixing water with **CeRaCOLOR ADMIX** — applies to **CeRaCOLOR** and **CeRaCOLOR USG**.

04
Grout colour

Choose from the 20 colours on page 18. Test a small area before full application.

20
COLOURS IN THE CHART
From #00 White to #47 Long Thuy Beach — one colour chart for the whole tile grout line. Custom colour matching is available for project orders meeting the minimum quantity.

1 - 6mm
JOINT WIDTH FOR THE WHOLE LINE
All 5 products are for joints 1 - 6mm wide.

4/5
PRODUCTS WITH VOC 0g/l
USEPA Method 24 — requirement ≤ 65g/l, result 0g/l. The 2 premium cement-based products also carry an EPD and the SGBP label — see the cards on page 16.

READING THE EN 13888-1:2022 CLASSIFICATION

CG Cementitious grout	**RG** Reaction resin grout — epoxy	**1 · 2** Normal performance · Improved performance	**W** Low water absorption: ≤ 2.0g at 30 min, ≤ 5.0g at 240 min	**A** Abrasion resistant: ≤ 1000mm³ (class 1: ≤ 2000mm³)

All data in this document are taken from the issued **Technical Data Sheet (TDS) version 2026.10** of each product. Scan the QR code on each product card to open the latest TDS. Where this document and the TDS differ, **the TDS prevails.**

SELECTION BY APPLICATION AREA

Product	Classification EN 13888-1:2022	Dry interior	Wet interior	Exterior	Swimming pool	Water tank	Chemical resistance
CeRaCOLOR	CG1 » CG2WA*	✓✓	✓✓*	✓✓*	✓✓*	✓✓*	✗
CeRaCOLOR USG	CG2A	✓✓	✓✓	✓✓*	✓✓*	✓✓*	✗
CeRaCOLOR USG EXTRA	CG2WA	✓✓	✓✓	✓✓	✓✓	✓✓	✗
CeRaCOLOR ADMIX	CG2WA of the mixed system	✓✓	✓✓	✓✓	✓✓	✓✓	✗
CeRaPOXY TG	RG	✓✓	✓✓	✓	✓✓	✓✓	✓✓

✓✓ Ideal ✓✓* Ideal when mixed with **CeRaCOLOR ADMIX** ✓ Suitable ✗ Unsuitable

* **CeRaCOLOR**: CG1 mixed with water, CG2WA when used with **CeRaCOLOR ADMIX**. The **CeRaCOLOR ADMIX** row shows the suitability of the grout system mixed with the additive. All products: Suitable for most types of tiles, natural stone, glass mosaic and stone mosaic.

ADDITIVE CeRaCOLOR ADMIX — UPGRADING THE CEMENT-BASED SYSTEM

Mixed with water

CeRaCOLOR achieves CG1, **CeRaCOLOR USG** achieves CG2A. In wet interior areas, only **CeRaCOLOR USG** is Ideal when mixed with water.

ADMIX in place of mixing water

Ratio 33 - 38% of the grout powder weight. **CeRaCOLOR** becomes Ideal for wet interior, exterior, swimming pool, water tank; **CeRaCOLOR USG** for exterior, swimming pool, water tank. System class: CG2WA.

For exterior, swimming pool and water tank there are two ways to reach Ideal: **CeRaCOLOR USG EXTRA** mixed with water, or **CeRaCOLOR** / **CeRaCOLOR USG** mixed with **CeRaCOLOR ADMIX**. Both are **not** for areas requiring chemical resistance — in that column only **CeRaPOXY TG** is Ideal.

PRODUCT SELECTION BY AREA

Area	Typical applications	Ideal	Ideal when mixed with ADMIX	Suitable
Dry interior	Living rooms, bedrooms, corridors, offices	**CeRaCOLOR** **CeRaCOLOR USG** **CeRaCOLOR USG EXTRA** **CeRaPOXY TG**	–	–
Wet interior	Bathrooms, toilets, kitchens, laundry areas	**CeRaCOLOR USG** **CeRaCOLOR USG EXTRA** **CeRaPOXY TG**	**CeRaCOLOR**	–
Exterior	Façades, yards, balconies, outdoor walkways	**CeRaCOLOR USG EXTRA**	**CeRaCOLOR** **CeRaCOLOR USG**	**CeRaPOXY TG**
Swimming pool	Swimming pools and pool decks	**CeRaCOLOR USG EXTRA** **CeRaPOXY TG**	**CeRaCOLOR** **CeRaCOLOR USG**	–
Water tank	Water tanks, landscape ponds	**CeRaCOLOR USG EXTRA** **CeRaPOXY TG**	**CeRaCOLOR** **CeRaCOLOR USG**	–
Chemical resistance	Food plants, laboratories, industrial areas	**CeRaPOXY TG**	–	–

CEMENT-BASED TILE GROUTS · 01 - 03



CeRaCOLOR

FINE TILE GROUT · FOR INTERIOR DRY AREAS

Cement-based grout of refined white cement, ultra-fine fillers and modified polymers — a dense, smooth joint, uniform in colour and stable over time. CG1 mixed with water; CG2WA with **CeRaCOLOR ADMIX**.

≤ 2000 mm³	≥ 15.0 MPa	≤ 10.0 g	0 g/l
Abrasion · Pass	Compressive · Pass	Water absorption 240 min · Pass	VOC

Dry interior	Wet interior	Exterior	Swimming pool	Water tank	Chemical resistance
✓✓	✓✓*	✓✓*	✓✓*	✓✓*	✗

01kg/bag and 20kg/carton box · Colour: chart on page 18 · Shelf life 24 months
WATER MIXING RATIO 330 - 380ml/kg

CLASSIFICATION EN 13888-1:2022

CG1 Mixed with water
CG2WA When used with
CeRaCOLOR ADMIX

CeRaCOLOR



CeRaCOLOR USG

FINE TILE GROUT · FOR INTERIOR DRY AND WET AREAS

High-performance cement-based grout — a dense, smooth joint of uniform colour, with enhanced water resistance and minimal shrinkage and cracking. CG2A; Ideal in wet interior areas when mixed with water.

≤ 1000 mm³	≥ 15.0 MPa	≤ 10.0 g	0 g/l
Abrasion · Pass	Compressive · Pass	Water absorption 240 min · Pass	VOC

Dry interior	Wet interior	Exterior	Swimming pool	Water tank	Chemical resistance
✓✓	✓✓	✓✓*	✓✓*	✓✓*	✗

01kg/bag and 20kg/carton box · Colour: chart on page 18 · Shelf life 24 months
WATER MIXING RATIO 330 - 380ml/kg

CLASSIFICATION EN 13888-1:2022

CG2A

SGBP 3433 2 Ticks Very Good (SGBC)
EPD-IES-0028315

CeRaCOLOR USG



CeRaCOLOR USG EXTRA

PREMIUM TILE GROUT · WATER-REPELLENT

Premium cement-based tile grout with colour-stable inorganic pigments and waterproofing polymers — water resistant, crack limiting, stain resistant, with stable colour even in harsh environments. Classified CG2WA.

≤ 1000 mm³	≥ 15.0 MPa	≤ 5.0 g	0 g/l
Abrasion · Pass	Compressive · Pass	Water absorption 240 min · Pass	VOC

Dry interior	Wet interior	Exterior	Swimming pool	Water tank	Chemical resistance
✓✓	✓✓	✓✓	✓✓	✓✓	✗

01kg/bag and 20kg/carton box · Colour: chart on page 18 · Shelf life 24 months
WATER MIXING RATIO 330 - 380ml/kg

CLASSIFICATION EN 13888-1:2022

CG2WA

SGBP 3761 2 Ticks Very Good (SGBC)
EPD-IES-0028316

CeRaCOLOR USG EXTRA

These 3 products and the system mixed with CeRaCOLOR ADMIX are NOT for areas requiring chemical resistance. Food plants, laboratories and industrial areas with acids, alkalis or strong detergents: use **CeRaPOXY TG** on the next page.

UPGRADING ADDITIVE AND EPOXY TILE GROUT · 04 - 05



CeRaCOLOR ADMIX

ADHESION-ENHANCING AND WATERPROOFING ADDITIVE · FOR TILE GROUT

Polymer additive used with **CeRaCOLOR** and **CeRaCOLOR USG** in place of mixing water — better adhesion, less shrinkage and cracking, higher water resistance. The mixed system achieves CG2WA.

33 - 38%	≤ 1000mm³	≤ 5.0g	0g/l
Ratio / grout powder	Abrasion · Pass	Water absorption 240 min · Pass	VOC

Dry interior	Wet interior	Exterior	Swimming pool	Water tank	Chemical resistance
✓✓	✓✓	✓✓	✓✓	✓✓	✗

380g/bottle and 20kg/pail · Colour: Milky white · Shelf life 12 months

MIXING RATIO 33 - 38% of the grout powder weight

CLASSIFICATION EN 13888-1:2022

CG2WA

CG2WA Classification of the grout system when mixed with ADMIX

CeRaCOLOR ADMIX



CeRaPOXY TG

EPOXY TILE GROUT · CHEMICAL RESISTANT · ULTRA-DURABLE

Two-component, solvent-free epoxy tile grout — a dense, impermeable joint with zero capillary porosity; resists acids, alkalis and strong detergents in food plants, laboratories, swimming pools and industrial areas.

99.8mm³	83.3MPa	5.09MPa	0g
Abrasion	Compressive strength	Adhesion	Water absorption 240 min

Dry interior	Wet interior	Exterior	Swimming pool	Water tank	Chemical resistance
✓✓	✓✓	✓	✓✓	✓✓	✓✓

5.2kg/set (A: 4.9kg · B: 0.3kg) · Colour: chart on page 18 · Shelf life 12 months

MIXING RATIO A : B = 16 : 1

CLASSIFICATION EN 13888-1:2022

RG

RG

CHEMICAL RESISTANCE · 13 CHEMICALS TESTED

10 days short term	Good: 12 chemicals Moderate: acetone
30 days long term	Good: 10 chemicals Moderate: HCl 37% Poor or none: HNO_3 40%, acetone

CeRaPOXY TG

TECHNICAL COMPARISON

Property · TCVN 7899-4:2008 · ISO 13007-3:2010	CeRaCOLOR	CeRaCOLOR USG	CeRaCOLOR USG EXTRA	CeRaCOLOR ADMIX	CeRaPOXY TG
Abrasion resistance	**Pass** ≤ 2000mm³	**Pass** ≤ 1000mm³	**Pass** ≤ 1000mm³	**Pass** ≤ 1000mm³	**99.8mm³** Requirement ≤ 250mm³
Flexural · Standard conditions	**Pass** ≥ 2.5MPa	**Pass** ≥ 2.5MPa	**Pass** ≥ 2.5MPa	**Pass** ≥ 2.5MPa	**31.0MPa** Requirement ≥ 30.0MPa
Flexural · After freeze-thaw cycles	**Pass** ≥ 2.5MPa	**Pass** ≥ 2.5MPa	**Pass** ≥ 2.5MPa	**Pass** ≥ 2.5MPa	–
Compressive · Standard conditions	**Pass** ≥ 15.0MPa	**Pass** ≥ 15.0MPa	**Pass** ≥ 15.0MPa	**Pass** ≥ 15.0MPa	**83.3MPa** Requirement ≥ 45.0MPa
Compressive · After freeze-thaw cycles	**Pass** ≥ 15.0MPa	**Pass** ≥ 15.0MPa	**Pass** ≥ 15.0MPa	**Pass** ≥ 15.0MPa	–
Shrinkage	**Pass** ≤ 3.0mm/m	**Pass** ≤ 3.0mm/m	**Pass** ≤ 3.0mm/m	**Pass** ≤ 3.0mm/m	**0.84mm/m** Requirement ≤ 1.5mm/m
Water absorption after 30 minutes	**Pass** ≤ 5.0g	**Pass** ≤ 5.0g	**Pass** ≤ 2.0g	**Pass** ≤ 2.0g	–
Water absorption after 240 minutes	**Pass** ≤ 10.0g	**Pass** ≤ 10.0g	**Pass** ≤ 5.0g	**Pass** ≤ 5.0g	**0g** Requirement ≤ 0.1g
VOC content · USEPA Method 24	**0g/l** Requirement ≤ 65g/l	**0g/l** Requirement ≤ 65g/l	**0g/l** Requirement ≤ 65g/l	**0g/l** Requirement ≤ 65g/l	–
Adhesion · Standard · Heat aging · Water immersion	–	–	–	–	**5.09 · 3.74 · 5.07MPa** Requirement ≥ 2.0MPa

Pass — the product meets the requirement printed below it. **–** Not published; contact the technical department.
The **CeRaCOLOR ADMIX** column shows the results of the grout system mixed with the additive (CG2WA).

COLOUR REFERENCE CHART — 20 COLOURS

#00	#03	#06	#07	#08
White	Mocha	Olive Green	Teal	Black
#FFFFFF	#716D53	#02775A	#80B8BB	#231F20
#12	#14	#17	#18	#23
Sky Blue	Anthracite	Dark Grey	Vanilla	Saddle Brown
#A5C9FC	#525C6C	#A2A2A2	#FBFFCC	#BA714F
#24	#25	#30	#31	#34
Silver Grey	Terracotta	Mushroom	Khaki	Natural Grey
#DBDBDB	#DE9C6B	#E2E1B4	#B9B49F	#AAA492
#36	#37	#45	#46	#47
Navajo Tan	Light Mustard	Chestnut Brown	Marble Beige	Long Thuy Beach
#A9A491	#FFE9B7	#9D8277	#DDD0B4	#5ED1E8

Actual colour may differ from printed or digital samples; lighting conditions and substrate moisture also affect the final shade — test a small area before full application. In addition to the standard range, custom colour matching is available for project orders meeting the minimum quantity requirement.

FEATURED PROJECTS



Westgate
CeRaCOLOR



The Grand & The Symphony
CeRaCOLOR USG



Pandanus Resort
CeRaCOLOR USG EXTRA



Illustrative image
CeRaCOLOR ADMIX



Amanoi Resort
CeRaPOXY TG

EIGHT STANDARD GROUTING STEPS

Photos show **CeRaCOLOR** — common to cement-based grouts mixed with water. Additive and epoxy: see the two boxes below.



B1

Clean the joints

Rake out excess adhesive with a joint cleaner so the joints are evenly deep.



B2

Vacuum the dust

Vacuum dust from the joints and tile surface; keep the joints dry.



B3

Measure the water

Measure clean water into the bucket: **330 - 380ml/kg** of powder.



B4

Add grout to water

Water first, then powder — add the powder gradually to avoid lumps.



B5

Mix by machine

Mix at low speed until the paste is smooth, plastic and uniform.



B6

Fill diagonally

Rubber float diagonally across joints: fill, then strike off excess.



B7

Firm up 15 - 20 minutes

Let the surface firm up; fingertip test — do not wipe yet.



B8

Clean with a damp sponge

Final wipe with a wrung damp sponge, diagonally across joints.

TOOLS TO PREPARE

Joint cleaner · Vacuum cleaner · Measuring jug · Mixing bucket · Mixer · Rubber grout float · Grout pad · Sponge · Wash bucket · Plus a white pad for epoxy

WITH CeRaCOLOR ADMIX

B3 **Additive instead of water** Measure **CeRaCOLOR ADMIX** to fully replace the water: **33 - 38% of the grout powder weight.**

Remaining steps as above. For **CeRaCOLOR** and **CeRaCOLOR USG**.

WITH CeRaPOXY TG — TWO-COMPONENT EPOXY

B3 **Pour B into A** Pour all of component B into the pail of component A — **A : B = 16 : 1**.

B4 **Mix until uniform** Mix at low speed, scraping the sides and bottom of the pail.

B6 **White pad and warm water** Sprinkle warm water and scrub in circles with a white pad to emulsify the excess epoxy.

B7 **Damp sponge, diagonally** Draw a wrung damp sponge across the joints to lift the emulsified film.

B8 **Change the wash water often** Tiles left clean and glossy, with no epoxy film.

COVERAGE — CALCULATION FORMULA

Cement-based tile grouts · 01 - 03

$$kg/m^2 = (A + B) \times C \times D \times 1.5 \times K / (A \times B)$$

K = 1.1 - 1.2

Additive **CeRaCOLOR ADMIX**

$$kg/m^2 = (A + B) \times C \times D \times 1.5 \times K / (2.5 \times A \times B)$$

K = 1.1 - 1.2

Epoxy **CeRaPOXY TG**

$$kg/m^2 = (A + B) \times C \times D \times 1.8 \times K / (A \times B)$$

K = 1.2 - 1.3

A, B, C: Length, width and thickness of the tile or stone · D: Joint width between tiles · K: Wastage factor (shown under each formula) · All dimensions in mm

Grout only after the tile adhesive has fully cured
For the period specified for the tile adhesive.

Measure the water — never estimate
Use the manufacturer's water or additive ratio; stir until plastic and uniform.

Let it firm up 15 - 20 minutes before sponging
Too early and the grout is pulled out of the joint; too late and it hardens on the tile surface.

PRODUCT LINE 3.WP

WATERPROOFING

Protection against water and moisture — roofs, wet rooms, balconies, basements, tanks. The line comprises **18 products** — use the table below for quick selection; details of each product follow on the next pages.



LINE 3.WP PRODUCT LIST

PRODUCT	DESCRIPTION	CLASSIFICATION · STANDARD	PACKAGING	PAGE
BuMaLATEX	Multi-purpose latex admixture · For tile adhesives and cementitious mortars	–	05kg/pail and 20kg/pail	24
LATEX SP	Special bonding admixture · Admixture for dry mortars and tile adhesives	–	05kg/pail and 20kg/pail	24
PRIMER W	Primer for wall waterproofing · Water-based, synthetic resin	–	04kg/pail and 18kg/pail	24
PRIMER F	Primer for floor waterproofing · Water-based, synthetic resin	–	04kg/pail and 18kg/pail	24
PRIMER MOI	Primer for freshly rendered substrates · Calcium ion blocking · Efflorescence resistant	–	18kg/pail	24
K11W	Waterproofing additive for mixing with cement · For exterior walls	–	04kg/pail and 18kg/pail	25
K11F	Waterproofing additive for mixing with cement · For floors and walls, interior and exterior	–	04kg/pail and 18kg/pail	25
FLEX WP 2K	Flexible waterproofing · Two-component, cementitious	EN 14891 CMP · EN 1504-2 (C) PI-MC-PR	8.0kg set (A+B supplied in one pail) 20kg set (A+B supplied in one pail) 33.5kg set (A: 8.5kg · B: 25kg)	25
BuMaLASTIC	High-elasticity waterproofing · Two-component, cementitious	EN 14891 CMP · EN 1504-2 (C) PI-MC-PR	7.5kg set (A+B supplied in one pail) 20kg set (A+B supplied in one pail) 25kg set (A: 10kg · B: 15kg)	25
WALLCOAT	Elastic acrylic waterproofing · For exterior walls	EN 14891 DMP	05kg/pail and 20kg/pail	26
PROOF 668	High-elasticity waterproofing · Acrylic-based, for roof decks	EN 14891 DMP · EN 1504-2 (C) PI-MC-PR	05kg/pail and 20kg/pail	26
PUA 680	High-elasticity waterproofing · PU-based, for roof decks	EN 14891 DMP · EN 1504-2 (C) PI-MC-PR	05kg/pail and 20kg/pail	26
EnerSAV	Elastic acrylic waterproofing · White, heat reflective	EN 14891 DMP · EN 1504-2 (C) PI-MC-PR	05kg/pail and 20kg/pail	27
SolarSHIELD	Elastic acrylic waterproofing · White, high heat reflectivity	–	03kg/pail and 15kg/pail	27
BuMaTAPE	Elastic reinforcing tape for waterproofing · Rubber core between two fabric layers · For wide joints	BS EN 12311-2:2013 · BS EN 14891:2017	15cm × 10m/roll	27
BuMaFAB	Reinforcing fabric for waterproofing · Higher tensile strength · For corners and fine cracks	BS EN 12311-2:2000	15cm × 50m/roll	27
BuMaMESH 70	Alkali-resistant fibreglass mesh · Reinforcement for waterproofing and mortar layers	–	1 × 50m/roll	27
BuMaMESH 150	Alkali-resistant fibreglass mesh · Reinforcement for waterproofing and mortar layers	–	1 × 50m/roll	27

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18 PRODUCTS IN THE 3.WP LINE

ADMIXTURES & PRIMERS
- BuMaLATEX
- LATEX SP
- PRIMER W
- PRIMER F
- PRIMER MOI

MIXED WITH CEMENT ON SITE
- K11W
- K11F

TWO-COMPONENT CEMENTITIOUS
- FLEX WP 2K
- BuMaLASTIC

ACRYLIC AND PU MEMBRANES
- WALLCOAT
- PROOF 668
- PUA 680
- EnerSAV
- SolarSHIELD

WATERPROOFING REINFORCEMENT
- BuMaTAPE
- BuMaFAB
- BuMaMESH 70
- BuMaMESH 150

CHOOSE THE RIGHT WATERPROOFING SYSTEM IN FOUR STEPS

Identify the application, the finish above, the crack condition of the substrate and the need for heat reduction — then choose the product.

01
Application area

External walls, basements, sanitary rooms, water tanks, balconies, roof decks, sheet roofs — see page 28.

02
Tiled over or not

K11W, **K11F**, **FLEX WP 2K**, **BuMaLASTIC**, **PROOF 668**: wait before tiling. Over two-component membranes use a C2 adhesive or higher.

03
Cracks in the substrate

Treat existing cracks before application. The 5 acrylic and PU products are not for cracks wider than 1.0mm.

04
Heat reduction needed

Exposed roofs that must absorb less heat: **EnerSAV** and **SolarSHIELD** reflect solar radiation.

18
PRODUCTS IN THE LINE
5 admixtures and primers
9 waterproofing membranes
4 waterproofing reinforcing materials

10.0mm
HIGHEST CRACK BRIDGING
PUA 680: ≥ 10.0mm to BS EN 14891:2017.
Lowest cement-mixed product: ≥ 0.5mm.

112
HIGHEST SRI IN THE LINE
SolarSHIELD achieves a Solar Reflectance Index ≥ 112 to ASTM E1980-24.
EnerSAV achieves ≥ 100.

All data in this document are taken from the issued **Technical Data Sheet (TDS) version 2026.10** of each product. Scan the QR code on each product card to open the latest TDS. Where this document and the TDS differ, **the TDS prevails.**

ONE LINE, FIVE GROUPS BY ROLE



Admixtures & primers

BuMaLATEX · LATEX SP · PRIMER W · PRIMER F · PRIMER MOI

Substrate preparation: latex admixtures improve adhesion of mortars and tile adhesives; primers bind fine dust, limit efflorescence and bond the next layer. **PRIMER MOI** is for fresh render.



Mixed with cement on site

K11W · K11F

One-component liquid: mix 1kg of product with 0.5kg of cement on site into a polymer-modified cementitious coating. Use only cement with 28-day compressive strength ≥ 40MPa; low-speed mixer.



Two-component cementitious

FLEX WP 2K · BuMaLASTIC

Pre-weighed liquid component A and powder B: **FLEX WP 2K** at 1:3 for a hard, abrasion-resistant membrane; **BuMaLASTIC** at 1:1.5 for a highly elastic membrane. Both are classified EN 14891:2017 CMP.



Acrylic and PU membranes

WALLCOAT · PROOF 668 · PUA 680 · EnerSAV · SolarSHIELD

Coatings that form a continuous, seamless, UV-resistant membrane for exposed surfaces; 2 heat-reflective products for roofs. No more than 0.5kg/m² per coat; substrate moisture content not above 6%.



Waterproofing reinforcement

BuMaTAPE · BuMaFAB · BuMaMESH 70 · BuMaMESH 150

Between or within the waterproofing coats — never alone: **BuMaTAPE** for wide joints, **BuMaFAB** for corners and fine cracks, **BuMaMESH 70 · BuMaMESH 150** mesh for broad areas.

READING THE CLASSIFICATION CODES ON THE PRODUCT CARDS

C · D
First letter of the EN 14891:2017 code is the base: **C** cementitious, **D** dispersion (acrylic, PU)

M · P
CM, **DM**: liquid-applied waterproofing. **P**: resistant to chlorinated water (pools)

(C) PI-MC-PR
EN 1504-2 concrete coatings: Ingress protection · Moisture control · Physical resistance

TYPE II
ASTM C1059: latex agents bonding new mortar to hardened concrete — **LATEX SP** meets Type II

CMP: **FLEX WP 2K**, **BuMaLASTIC** · DMP: **WALLCOAT**, **PROOF 668**, **PUA 680**, **EnerSAV** · EN 1504-2 (C) PI-MC-PR: **FLEX WP 2K**, **BuMaLASTIC**, **PROOF 668**, **PUA 680**, **EnerSAV**. Tender documents often specify by code rather than trade name — check every code on each product's classification card.

9 MEMBRANES — RANKED BY CRACK BRIDGING

Product	Crack bridging mm	Bond MPa	Elongation at break	Tensile MPa	Coverage kg/m²	Classification · Certification
K11F Cement-mixed	**≥ 0.5**	≥ 0.5 28 days ASTM D7234-21	70% ± 20%	≥ 1.2	0.5 - 2.0	–
K11W Cement-mixed	**≥ 0.75**	≥ 1.0 28 days ASTM D7234-21	70% ± 5%	≥ 1.2	0.5 - 2.0	–
FLEX WP 2K Two-component	**≥ 0.75**	≥ 1.4 Standard conditions EN 14891:2017	30% ± 10%	≥ 1.5	1.5 - 3.5	EN 14891:2017 CMP · (C) PI-MC-PR
SolarSHIELD Heat-reflective acrylic	**≥ 0.75**	≥ 1.1 Concrete substrate ASTM D7234-21	30% ± 3%	≥ 2.0	0.3 - 2.0	–
BuMaLASTIC Two-component	**≥ 1.2**	≥ 1.2 Standard conditions EN 14891:2017	230% ± 23%	≥ 1.4	1.0 - 3.0	EN 14891:2017 CMP · (C) PI-MC-PR
WALLCOAT Acrylic-based	**≥ 2.5**	≥ 1.5 28 days ASTM D7234-21	100% ± 15%	≥ 2.5	0.3 - 0.9	EN 14891:2017 DMP
PROOF 668 Acrylic-based	**≥ 3.5 · ≥ 5.0** at 0.6 - 0.9kg/m² and ≥ 2.0kg/m²	≥ 1.2 28 days ASTM D7234-21	200% ± 20% 350% ± 35%	≥ 2.5	0.6 - 3.0	EN 14891:2017 DMP · (C) PI-MC-PR
EnerSAV Heat-reflective acrylic	**≥ 5.0** at ≥ 2.0kg/m²	≥ 1.8 Concrete substrate ASTM D7234-21	300% ± 30%	≥ 2.5	0.3 - 3.0	EN 14891:2017 DMP · (C) PI-MC-PR
PUA 680 Lai PU - Acrylic	**≥ 10.0**	≥ 1.5 14 days ASTM D7234-21	680% ± 68%	≥ 2.5	0.3 - 3.0	EN 14891:2017 DMP · (C) PI-MC-PR

Crack bridging to BS EN 14891:2017. Elongation and tensile strength to ASTM D412-16(2021). Coverage is the lowest - highest range by application; details on page 28.
WALLCOAT tested at 0.6kg/m², **PUA 680** at 1.5kg/m².

⚠ **Existing substrate cracks.** 5 products — **WALLCOAT**, **PROOF 668**, **PUA 680**, **EnerSAV**, **SolarSHIELD** — **are not for cracks wider than 1.0mm**.
Treat cracks suitably before application; reinforce with **BuMaFAB** or **BuMaTAPE** — see page 30.

4 REINFORCING MATERIALS — EMBEDDED IN THE WATERPROOFING

Product	Construction	Tensile strength	Elongation	Crack bridging	Roll size	Application areas
BuMaTAPE	Rubber core between two fabric layers	5.7MPa	≥ 664%	4.79mm 28 days standard conditions	15cm × 10m	Expansion joints, structural joints, wall-base corners
BuMaFAB	Fibre fabric	MD 49.0N/50mm CD 30.0N/50mm	–	–	15cm × 50m	Corners, fine cracks, broad-area reinforcement
BuMaMESH 70	Alkali-resistant glass mesh 70 ± 5g/m²	Weft ≥ 550N/50mm Warp ≥ 550N/50mm	–	≥ 2.20mm With **BuMaLASTIC** 3.0kg/m²	1 × 50m/roll	Reinforces waterproofing, mortar and skim coat layers
BuMaMESH 150	Alkali-resistant glass mesh 150 ± 5g/m²	Weft ≥ 1300N/50mm Warp ≥ 1100N/50mm	–	≥ 2.20mm With **BuMaLASTIC** 3.0kg/m²	1 × 50m/roll	Reinforces waterproofing, mortar and skim coat layers

Tensile strength: **BuMaTAPE** tested to BS EN 12311-2:2013; **BuMaFAB**, **BuMaMESH 70**, **BuMaMESH 150** to BS EN 12311-2:2000. Crack bridging to BS EN 14891:2017.

ADMIXTURES AND PRIMERS · 01 - 05



BuMaLATEX

MULTI-PURPOSE LATEX ADMIXTURE · FOR TILE ADHESIVES, CEMENTITIOUS MORTARS

Modified styrene butadiene emulsion, water-diluted then mixed with pre-blended or site-batched cement – sand mortar: bonding slurry, water-resistant, masonry and render mortars, patching; with **BuMaGREEN** for exterior and water-tank tiling.

≥ 2.8MPa	≥ 2.0MPa	≥ 1.5MPa	0g/l
Slant shear · Pass	Adhesion 28 days*	After water immersion*	VOC content

05kg/pail and 20kg/pail · Colour: Milky white · Shelf life 24 months

COVERAGE Bonding slurry: 1kg / 4m² · Latex mortar: 1.5kg / 15mm of mortar · Tile adhesive: 1.5kg per 25kg bag

MEETS ASTM C1059/C1059M-21

Slant shear bond: required **≥ 2.8MPa** — Pass.
*Mixed with **BuMaGREEN** to TCVN 7899-2:2008 EN 12004-2:2017

BuMaLATEX



LATEX SP

SPECIAL BONDING ADMIXTURE · FOR DRY MORTARS AND TILE ADHESIVES

Premium styrene butadiene latex, a bonding agent for renders, screeds and tile adhesives: much higher adhesion, lower water permeability, restricted chloride ion ingress. Bonds new concrete to old; with **BuMaFIX** for tile-on-tile.

≥ 8.6MPa	≥ 2.5MPa	≥ 1.8MPa	0g/l
Slant shear · Pass	Adhesion 28 days*	After water immersion*	VOC content

05kg/pail and 20kg/pail · Colour: Milky white · Shelf life 24 months

COVERAGE Bonding slurry: 1kg / 4m² · Latex mortar: 1.5kg / 15mm of mortar · Tile adhesive: 1.5kg per 25kg bag

CLASSIFICATION

In compliance with ASTM standard ASTM C1059 TYPE II BUMATECH LATEX AGENT FOR BONDING FRESH TO HARDENED CONCRETE

ASTM C1059 Type II

*Mixed with **BuMaFIX** to TCVN 7899-2:2008 EN 12004-2:2017

LATEX SP



PRIMER W

PRIMER FOR WALL WATERPROOFING · WATER-BASED, SYNTHETIC RESIN

Water-based synthetic resin solution for concrete and cementitious mortar before waterproofing or exterior skim coats: binds fine dust, limits efflorescence and staining of the waterproofing, improves adhesion of the next layer.

0.1 - 0.2kg/m²	05 - 10m²/kg	10 - 30min	1 - 2coats
Coverage	Equivalent coverage	Drying time per layer	Number of coats

04kg/pail and 18kg/pail · Colour: Milky white · Shelf life 12 months

APPLICATION METHOD Roller or spray equipment · Specific gravity 1.01 ± 0.01

SUBSTRATE REQUIREMENTS

Concrete prepared to **ICRI CSP 2 - 3**; substrate pull-off min. **0.5MPa** to ASTM C1583/C1583M-25. Render cured about 7 days per 10mm.

PRIMER W



PRIMER F

PRIMER FOR FLOOR WATERPROOFING · WATER-BASED, SYNTHETIC RESIN

Water-based synthetic resin solution for concrete and cementitious mortar before waterproofing exterior horizontal surfaces: binds fine dust, limits efflorescence and staining of the waterproofing, improves adhesion of the next layer.

0.1 - 0.2kg/m²	05 - 10m²/kg	10 - 30min	1 - 2coats
Coverage	Equivalent coverage	Drying time per layer	Number of coats

04kg/pail and 18kg/pail · Colour: Milky white · Shelf life 12 months

APPLICATION METHOD Roller or spray equipment · Specific gravity 1.01 ± 0.01

SUBSTRATE REQUIREMENTS

Concrete prepared to **ICRI CSP 2 - 3**; substrate pull-off min. **0.5MPa** to ASTM C1583/C1583M-25. Render cured about 7 days per 10mm.

PRIMER F



PRIMER MOI

PRIMER FOR FRESH RENDER · CALCIUM ION BLOCKING · EFFLORESCENCE RESISTANT

Water-based hydrophobic styrene - acrylic primer that absorbs alkali ions: locks free calcium ions in young render and concrete, stops salt migration into the coating — earlier waterproofing, no chalking or fading of coloured coats.

0.3kg/m²	~ 3.3m²/kg	1 - 2hours	1 - 2coats
Coverage	Equivalent coverage	Drying time	Number of coats

18kg/pail · Colour: Milky white · Shelf life 12 months

APPLICATION METHOD Roller or spray equipment · Specific gravity 1.2 · Does not replace substrate curing time

MINIMUM SUBSTRATE AGE

Site-mixed mortar **3 days**
Pre-blended dry mortar
Sc 100 · **Sc 150** · **Sc 200** **1 day**

PRIMER MOI

CEMENTITIOUS · 06 - 09



K11W

CEMENT-MIXED WATERPROOFING · FOR EXTERIOR WALLS

One-component liquid mixed with cement into a polymer-modified cementitious coating — flexible, strongly bonded, hydrophobic. Optimised for walls exposed to weather, UV and wet – dry cycles; not for movement joints or live cracks.

≥ 1.0 MPa	≥ 1.6 MPa	≥ 0.75 mm	70% ± 5%
Adhesion 28 days	After heat aging	Crack bridging	Elongation at break

04kg/pail and 18kg/pail · Colour: Milky white liquid, ivory aggregate · Shelf life 12 months

MIXING RATIO Mix 1kg of product (thoroughly stirred) with 0.5kg of cement

COVERAGE 0.5 - 1.0kg/m²: External walls, sanitary areas · 2.0kg/m²: Basement walls

WAITING TIME

Between coats **30 - 60 minutes**
Water testing **3 - 7 days**
Rendering, tiling
minimum 7 days

K11 W



K11F

CEMENT-MIXED WATERPROOFING · FLOORS AND WALLS, INTERIOR AND EXTERIOR

Polymer additive gauged with cement on site into a flexible, continuous, strongly bonded cementitious membrane; brushed, rolled or sprayed. Takes minor movement, resists UV, VOC-free — for walls and floors, inside and out.

≥ 0.5 MPa	≥ 1.2 MPa	≥ 0.5 mm	70% ± 20%
Adhesion 28 days	After heat aging	Crack bridging	Elongation at break

04kg/pail and 18kg/pail · Colour: Milky white liquid, ivory aggregate · Shelf life 12 months

MIXING RATIO Mix 1kg of product (thoroughly stirred) with 0.5kg of cement

COVERAGE 0.5 - 1.0kg/m²: External walls, sanitary areas · 2.0kg/m²: Basement walls

WAITING TIME

Between coats **30 - 60 minutes**
Water testing **3 - 7 days**
Rendering, tiling
minimum 7 days

K11 F



FLEX WP 2K

FLEXIBLE WATERPROOFING · TWO-COMPONENT, CEMENTITIOUS

Pre-weighed two-component cementitious polymer system: a stable, hard, abrasion-resistant membrane that keeps adequate flexibility. High cement content — cost-efficient for standard waterproofing works; VOC-free.

≥ 1.4 MPa	≥ 0.75 mm	30% ± 10%	≥ 80
Standard adhesion	Crack bridging	Elongation at break	Shore A hardness

8.0kg set (A+B supplied in one pail) · 20kg set (A+B supplied in one pail) · 33.5kg set (A: 8.5kg · B: 25kg) · Mixed product: grey · Shelf life 24 months

RATIO 1:3 (liquid:powder)

COVERAGE 1.5 - 2.0kg/m²: Balconies, kitchens, sanitary rooms
2.5 - 3.5kg/m²: Basement walls, swimming pools, roofs

CLASSIFICATION · CERTIFICATION

In compliance with European standard EN 14891 CMP BUMATECH LIQUID APPLIED WATER IMPERMEABLE PRODUCTS

In compliance with European standard EN 1504-2 (C) PI-MC-PR BUMATECH SURFACE PROTECTION SYSTEMS FOR CONCRETE

EN 14891:2017 CMP
EN 1504-2 (C) PI-MC-PR

With **BuMaMESH 70** / **BuMaMESH 150** mesh:
crack bridging ≥ **1.0mm**

FLEX WP 2K



BuMaLASTIC

HIGH-ELASTICITY WATERPROOFING · TWO-COMPONENT, CEMENTITIOUS

Enhanced high-polymer cementitious system: an outstandingly elastic membrane that takes micro-movement and limits hairline cracking. Dense, strongly bonded, VOC-free; protects concrete in marine, chloride and sulphate exposure.

≥ 1.2 MPa	≥ 1.2 mm	230% ± 23%	≥ 55
Standard adhesion	Crack bridging	Elongation at break	Shore A hardness

7.5kg set (A+B supplied in one pail) · 20kg set (A+B supplied in one pail) · 25kg set (A: 10kg · B: 15kg) · Mixed product: grey · Shelf life 24 months

RATIO 1:1.5 (liquid:powder)

COVERAGE 1.0 - 1.5kg/m²: External walls, sanitary areas
2.0 - 3.0kg/m²: Basement walls, swimming pools, roofs

CLASSIFICATION · CERTIFICATION

In compliance with European standard EN 14891 CMP BUMATECH LIQUID APPLIED WATER IMPERMEABLE PRODUCTS

In compliance with European standard EN 1504-2 (C) PI-MC-PR BUMATECH SURFACE PROTECTION SYSTEMS FOR CONCRETE

EN 14891:2017 CMP
EN 1504-2 (C) PI-MC-PR

With **BuMaMESH 70** / **BuMaMESH 150** mesh:
crack bridging ≥ **2.0mm**

EPD INTERNATIONAL EPD SYSTEM EPD
EPD-IES-0028317

BuMaLASTIC

Waiting time before rendering, screeding or tiling: minimum 7 days for all 4 products.
FLEX WP 2K, **BuMaLASTIC**: avoid application in strong direct sun or below 15°C; do not add cement or other admixtures.
K11W, **K11F**: maximum about 1kg/m² per coat, applied in several thin coats.

ACRYLIC AND PU MEMBRANES · 10 - 12



WALLCOAT

ELASTIC ACRYLIC WATERPROOFING · FOR EXTERIOR WALLS

New-generation acrylic coating with UV and anti-ageing additives: continuous, seamless, highly elastic, it bridges micro-cracks and resists industrial emissions. For external walls of housing, high-rises, factories and cracked, leaking painted walls.

≥ 2.5mm	≥ 1.5MPa	100% ± 15%	≥ 2.5MPa
Crack bridging	Adhesion 28 days	Elongation at break	Tensile strength

05kg/pail and 20kg/pail · Colour: White, grey or to order · Shelf life 24 months

COVERAGE 0.3 - 0.6kg/m²: Old paint · 0.6 - 0.9kg/m²: New walls

BETWEEN COATS 20 - 45 minutes

CLASSIFICATION · CERTIFICATION

In compliance with European standard EN 14891 DMP BUMATECH LIQUID APPLIED WATER IMPERMEABLE PRODUCTS

EN 14891:2017 DMP

Result at a coverage of 0.6kg/m²

WALLCOAT



PROOF 668

HIGH-ELASTICITY WATERPROOFING · ACRYLIC-BASED, FOR ROOF DECKS

One-component acrylic coating with UV and anti-ageing additives: a continuous, highly elastic membrane with good crack bridging. For exposed surfaces, no protective coat needed — concrete roofs, roof terraces, external walls, metal roofs.

≥ 3.5mm	≥ 5.0mm	350% ± 35%	≥ 1.2MPa
Crack bridging · 0.6 - 0.9kg/m²	Crack bridging · ≥ 2.0kg/m²	Elongation · ≥ 2.0kg/m²	Adhesion 28 days

05kg/pail and 20kg/pail · Colour: White, grey or to order · Shelf life 24 months

COVERAGE 0.6 - 0.9kg/m²: External walls
1.2 - 2.0kg/m²: Metal roofs
2.4 - 3.0kg/m²: Concrete roofs

CLASSIFICATION · CERTIFICATION

In compliance with European standard EN 14891 DMP BUMATECH LIQUID APPLIED WATER IMPERMEABLE PRODUCTS

In compliance with European standard EN 1504-2 (C) PI-MC-PR BUMATECH SURFACE PROTECTION SYSTEMS FOR CONCRETE

EN 14891:2017 DMP
EN 1504-2 (C) PI-MC-PR

EPD INTERNATIONAL EPD SYSTEM EPD

EPD-IES-0028329

PROOF 668



PUA 680

HIGH-ELASTICITY WATERPROOFING · PU-BASED, FOR ROOF DECKS

New-generation PU - acrylic hybrid system: ultra-high elasticity, a continuous seamless membrane, UV-resistant, anti-ageing; bonds to concrete, metal roofs, old tiles and existing waterproofing — for exposed vertical and horizontal surfaces.

≥ 10.0mm	≥ 1.5MPa	680% ± 68%	≥ 2.5MPa
Crack bridging	Adhesion 14 days	Elongation at break	After heat aging

05kg/pail and 20kg/pail · Colour: White, grey or to order · Shelf life 24 months

COVERAGE 0.3 - 0.6kg/m²: Old paint, new walls · 2.0 - 3.0kg/m²: Concrete roofs

BETWEEN COATS 20 - 45 minutes

CLASSIFICATION · CERTIFICATION

In compliance with European standard EN 14891 DMP BUMATECH LIQUID APPLIED WATER IMPERMEABLE PRODUCTS

In compliance with European standard EN 1504-2 (C) PI-MC-PR BUMATECH SURFACE PROTECTION SYSTEMS FOR CONCRETE

EN 14891:2017 DMP
EN 1504-2 (C) PI-MC-PR

Result at a coverage of 1.5kg/m²

PUA 680

CHOOSING AMONG THE 3 PRODUCTS BY APPLICATION

WALLCOAT
External walls — new, or painted walls that crack and leak; industrial areas with emissions.
Crack bridging ≥ 2.5mm.

PROOF 668
Roof decks, terraces, exposed external walls — no protective coat needed.
Crack bridging ≥ 3.5mm to ≥ 5.0mm by coverage.

PUA 680
Roof decks, metal roofs, exposed vertical and horizontal surfaces; elongation 680% ± 68%.
Crack bridging ≥ 10.0mm.

All 3: not for movement joints, structural cracks, negative hydrostatic pressure or directly on AAC lightweight concrete.



*Rolling **WALLCOAT** elastic waterproofing onto an external wall*



*Applying **PROOF 668** on an exposed roof deck*



*Applying PU-based **PUA 680** over roof deck cracks*

HEAT REFLECTION AND REINFORCEMENT · 13 - 18



EnerSAV

ELASTIC ACRYLIC WATERPROOFING · WHITE, HEAT REFLECTIVE

Elastic acrylic coating for exposed roofs, with outstanding solar reflectance and thermal emittance: less heat build-up, no hot tackiness, lasting whiteness. Vapour-permeable so the surface «breathes»; overcoats sound existing waterproofing.

≥ 100	≥ 82%	≥ 0.83	≥ 5.0mm
SRI · ASTM E1980-24	Reflectance ρ · ASTM E903-20	Emittance ε · BS EN 15976:2011	Crack bridging · ≥ 2.0kg/m²

05kg/pail and 20kg/pail · Colour: White · Shelf life 24 months

COVERAGE 0.3 - 0.6kg/m²: Old paint, new walls · 1.5 - 3.0kg/m²: Metal, concrete roofs

FULL CURE ~ 5 - 7 days

CLASSIFICATION · CERTIFICATION

In compliance with European standard EN 14891 DMP — LIQUID APPLIED WATER IMPERMEABLE PRODUCTS

In compliance with European standard EN 1504-2 (C) PI-MC-PR — SURFACE PROTECTION SYSTEMS FOR CONCRETE

EN 14891:2017 DMP
EN 1504-2 (C) PI-MC-PR

Adhesion to concrete ≥ **1.8MPa**
Elongation **300% ± 30%**
Shore A ≥ **70**

EnerSAV



SolarSHIELD

ELASTIC ACRYLIC WATERPROOFING · WHITE, HIGH HEAT REFLECTIVITY

High-performance waterproofing and heat reflection for metal and industrial sheet roofs: acrylic resin with microspheres raises solar reflectance and limits heat transfer through the roof. For large factory and warehouse roofs; sprayed for an even coat.

≥ 112	≥ 88%	≥ 0.88	≥ 0.75mm
SRI · ASTM E1980-24	Reflectance ρ · ASTM E903-20	Emittance ε · BS EN 15976:2011	Crack bridging

03kg/pail and 15kg/pail · Colour: White · Shelf life 24 months

COVERAGE 0.3 - 0.6kg/m²: Old paint, new walls · 1.0 - 2.0kg/m²: Metal, concrete roofs

FULL CURE ~ 5 - 7 days

MEMBRANE DATA

Adhesion to concrete ≥ **1.1MPa**
Elongation **30% ± 3%**
Density **0.80 ± 0.05g/cm³**

SolarSHIELD

4 REINFORCING MATERIALS — EMBEDDED IN THE WATERPROOFING, NEVER WATERPROOFING ON THEIR OWN



BuMaTAPE

ELASTIC WATERPROOFING REINFORCING TAPE · RUBBER CORE, TWO FABRICS · WIDE JOINTS

Three-layer tape: elastic rubber core between two fabrics. If movement tears the fabric, the core still stretches and the waterproofing stays closed. For expansion and structural joints, wall-base corners — wide joints.

5.7MPa	≥ 664%
Tensile strength	Elongation at break
4.79mm	**15cm × 10m**
Crack bridging 28 days	Roll size

15cm × 10m/roll · Colour: White, printed with the blue BUMATECH logo

BuMaTAPE



BuMaFAB

REINFORCING FABRIC FOR WATERPROOFING · HIGHER TENSILE STRENGTH · FOR CORNERS AND FINE CRACKS

Fibre fabric embedded in the waterproofing coat to raise its tensile strength; it spreads stress so fine substrate cracks do not telegraph into the membrane. For corners and fine cracks; wide joints use **BuMaTAPE**.

49.0N/50mm	30.0N/50mm
Tensile strength MD	Tensile strength CD
15cm × 50m	**8 - 35°C**
Roll size	Application temperature

15cm × 50m/roll · Colour: White, printed with the blue BUMATECH logo

BuMaFAB



BuMaMESH 70

ALKALI-RESISTANT FIBREGLASS MESH · REINFORCES WATERPROOFING AND MORTAR

Alkali-resistant fibreglass mesh, synthetic-resin coated against cement alkalis: reinforces waterproofing, anti-crack membranes and cementitious levelling layers, spreads stress, raises system crack resistance.

70 ± 5g/m²	5 × 5mm
Weight	Mesh size
≥ 550N/50mm	**≥ 2.20mm**
Tensile weft and warp	Crack bridging with **BuMaLASTIC**

1 × 50m/roll · Colour: Blue with a white logo

BuMaMESH 70



BuMaMESH 150

ALKALI-RESISTANT FIBREGLASS MESH · REINFORCES WATERPROOFING AND MORTAR

The same alkali-resistant fibreglass mesh, heavier and with a finer mesh — reinforces waterproofing layers, levelling mortars and **Skim 2in1 IN**, **Skim 2in1 EX** skim coats; treats cracks and joints, interior and exterior.

150 ± 5g/m²	4 × 4mm
Weight	Mesh size
≥ 1300 / ≥ 1100N/50mm	**≥ 2.20mm**
Tensile weft / warp	Crack bridging with **BuMaLASTIC**

1 × 50m/roll · Colour: Blue with a white logo

BuMaMESH 150

SELECTION BY APPLICATION

Application	K11W	K11F	FLEX WP 2K	BuMaLASTIC	WALLCOAT	PROOF 668	PUA 680	EnerSAV	SolarSHIELD
External walls, façades	●	●		●	●	●	●	●	●
Basement walls	●	●	●	●		●	●	●	
Toilets, kitchens, wet areas		●	●	●					
Potable water tanks		●	●	●		●			
Swimming pools, water features		●	●	●		●			
Balconies, planters		●	●	●		●		●	
Roof decks, concrete roofs, terraces		●	●	●		●	●	●	●
Metal roofs, profiled sheet roofs		●	●	●		●	●	●	●
Precast wall elements, panels		●	●	●		●	●	●	
Marine and aggressive environments				●		●	●	●	
Refurbishing old or painted surfaces					●	●	●	●	●
Roof heat reduction (heat reflection)								●	●

COVERAGE AND WAITING TIMES

Product	Coverage by application	Between coats	Before water test
K11W	0.5 - 1.0kg/m²: External walls, sanitary areas · 2.0kg/m²: Basement walls	30 - 60 minutes	3 - 7 days
K11F	0.5 - 1.0kg/m²: External walls, sanitary areas · 2.0kg/m²: Basement walls	30 - 60 minutes	3 - 7 days
FLEX WP 2K	1.5 - 2.0kg/m²: Balconies, kitchens, toilets · 2.5 - 3.5kg/m²: Basement walls, pools, roofs	20 - 40 minutes	3 - 7 days
BuMaLASTIC	1.0 - 1.5kg/m²: External walls, sanitary areas · 2.0 - 3.0kg/m²: Basement walls, pools, roofs	30 - 60 minutes	3 - 7 days
WALLCOAT	0.3 - 0.6kg/m²: Old paint · 0.6 - 0.9kg/m²: New walls	20 - 45 minutes	–
PROOF 668	0.6 - 0.9kg/m²: External walls · 1.2 - 2.0kg/m²: Metal roofs · 2.4 - 3.0kg/m²: Concrete roofs	20 - 45 minutes	3 - 7 days
PUA 680	0.3 - 0.6kg/m²: Old paint, new walls · 2.0 - 3.0kg/m²: Concrete roofs	20 - 45 minutes	3 - 7 days
EnerSAV	0.3 - 0.6kg/m²: Old paint, new walls · 1.5 - 3.0kg/m²: Metal, concrete roofs	20 - 45 minutes	3 - 7 days
SolarSHIELD	0.3 - 0.6kg/m²: Old paint, new walls · 1.0 - 2.0kg/m²: Metal, concrete roofs	20 - 45 minutes	–

Coverage is the material quantity, excluding wastage. Waiting times between coats may be longer depending on site conditions — until touch-dry.
Primers: **PRIMER W**, **PRIMER F** 0.1 - 0.2kg/m² per coat · **PRIMER MOI** 0.3kg/m².

LATEX ADMIXTURE MIXING RATIOS — BuMaLATEX · LATEX SP

Component	Bonding slurry	Water-resistant mortar	Tile adhesive
BuMaLATEX or **LATEX SP**	1kg	10kg	1.5kg
Water	1kg	30 litres	4.5kg
Cement	4kg	50kg	–
Sand	–	06 buckets of 18L	–
BuMaGREEN or **BuMaFIX** tile adhesive	–	–	25kg
Pot life	30 minutes	45 - 60 minutes	45 minutes

TEN STEPS TO A ROOF DECK WATERPROOFING MEMBRANE

Illustrated with **PROOF 668** on an exposed concrete roof terrace. Other products: check waiting times and coverage on page 28.



B1

Check the weather · Moisture

Clear weather; substrate moisture not above 6%.



B2

Clean · Lightly abrade

Lightly grind the slab with a vacuum-fitted grinder; no dust left.



B3

Fill cracks · Voids

Fill cracks with **BuMaJOINT AC**, fill voids, have **BuMaTAPE** ready.



B4

Pipes · Fillets

Wrap pipes with swelling waterstop, grout in; fillet wall bases.



B5

Prime with PRIMER F

Roll one thin, even coat with a long roller.



B6

Stir the product

Open the pail and stir with a low-speed mixer until the product is homogeneous.



B7

First coat · BuMaTAPE

Roll coat one; lay **BuMaTAPE** on cracks and in corners while wet.



B8

BuMaMESH 70 mesh

While coat one is wet, cut and lay the mesh, embed it, overlap edges.



B9

Next coat crosswise

Wait 20 - 45 minutes; roll coat two across the first.



B10

Curing · Flood test

After 3 - 7 days, flood-test the whole terrace; no leaks, then hand over.



TOOLS TO PREPARE

Moisture meter · Grinder · Vacuum · Trowel · Swelling waterstop · Small brush · **BuMaTAPE** · **PRIMER F** primer · Mixer · Long roller · **BuMaMESH 70** mesh · Scissors

Maximum 0.5kg/m² per coat
Do not apply more than 0.5kg/m² per coat — build up in several thin coats.

Maximum substrate moisture 6%
Do not apply if substrate moisture exceeds 6%.

Above dew point + 3°C
Do not apply when the surface temperature is below dew point + 3°C.

FOUR CRITICAL DETAILS OF THE WATERPROOFING



*Bedding **BuMaTAPE** into an expansion joint between the two coats*

Expansion joints, structural joints

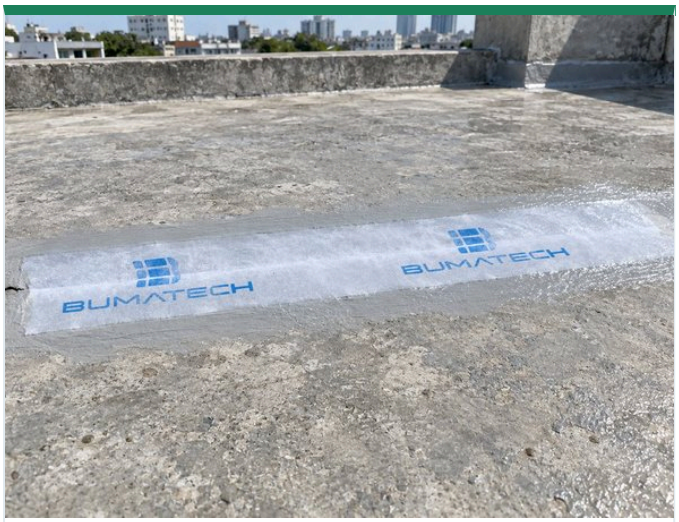
Largest movement, where waterproofing tears first. Bed **BuMaTAPE** as an omega loop over the joint in the wet membrane, clear of the joint base; coat 2 covers the tape edges. Fit backer rod and elastic sealant after curing — do not fill the joint with membrane.



*Laying **BuMaFAB** into a wall-to-floor corner while the first coat is still wet*

Wall-base corners, wall-to-floor corners

Where the membrane is under concentrated stress. Lay **BuMaFAB** while coat 1 is wet, press until the fabric is fully saturated, then apply coat 2 to cover. Wide corners use **BuMaTAPE**.



*A fine floor crack covered with a **BuMaFAB** strip and coated over*

Fine cracks in the substrate

Fabric spreads stress so fine substrate cracks do not telegraph into the membrane. The 5 acrylic and PU products are not for cracks wider than 1.0mm — treat cracks suitably before application.



Pipe wrapped in swelling waterstop and grouted in; filleted wall base

Pipe penetrations, junctions of two materials

Prime fully around pipes and wall bases before waterproofing. Slab penetrations and junctions of two different substrate materials are reinforced with **BuMaTAPE** between the two coats.

CHOOSING THE REINFORCING MATERIAL BY LOCATION

BuMaTAPE
Expansion joints, structural joints, wall-base corners — wide critical details. Rubber core between two fabric layers, elongation ≥ 664%.

BuMaFAB
Wall-to-floor corners, structural edges, fine substrate cracks; broad-area reinforcement on roof decks, balconies, terraces, toilets.

BuMaMESH 70 · BuMaMESH 150
Reinforces cementitious waterproofing, acrylic and PU membranes, levelling mortars, **Skim 2in1 IN** · **Skim 2in1 EX** skim coats.

None of the 4 materials waterproofs on its own — tape lies between two waterproofing coats, mesh is embedded in the waterproofing coat.
Apply only at an ambient temperature of 8 - 35°C, on a dry surface free of dust, dirt, oil and grease.

PRODUCT LINE 4.SLC

SELF-LEVELLING COMPOUND

Levelling floors to standard and creating a stable base for the finish. The line comprises **7 products** — use the table below for quick selection; details of each product follow on the next pages.



LINE 4.SLC PRODUCT LIST

PRODUCT	DESCRIPTION	CLASSIFICATION · STANDARD	PACKAGING	PAGE
BuMaPRIMER	Synthetic resin primer · Water-based · For self-levelling systems	–	05kg/pail and 20kg/pail	34
BuMaLEVEL	Cementitious self-levelling compound · Thickness 1 - 10mm	EN 13813 CT-C35-F7-B0,5	20kg/bag	34
SLU 210.16	Underlayment self-levelling compound · Thickness 2 - 10mm · Fast drying	EN 13813 CT-C16-F5-B0,5	20kg/bag	34
SLU 210.25	Underlayment self-levelling compound · Thickness 2 - 10mm · Fast drying	EN 13813 CT-C25-F6-B0,5	20kg/bag	34
SLU 210.35	Underlayment self-levelling compound · Thickness 2 - 10mm · Fast drying	EN 13813 CT-C35-F7-B0,5	20kg/bag	35
SLU 1040.35	Thick-section underlayment compound · Thickness 10 - 40mm	EN 13813 CT-C35-F10-B1,0	20kg/bag	35
SLO 540.40	Overlayment self-levelling compound · Thickness 5 - 40mm · Wearing surface	EN 13813 CT-C40-F10-B1,0	20kg/bag	35

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4 roles and quick comparison
6 compounds · Names that carry the data · EN 13813:2002 designations — 33

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BuMaPRIMER · **BuMaLEVEL** · **SLU 210.16** · **SLU 210.25** — 34

Products 05 - 07
SLU 210.35 · **SLU 1040.35** · **SLO 540.40** · Time milestones — 35

Selection by thickness and substrate requirements
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7 PRODUCTS IN THE 4.SLC LINE

PRIMER

- **BuMaPRIMER**

THIN UNDERLAYMENT

- **BuMaLEVEL**
- **SLU 210.16**
- **SLU 210.25**
- **SLU 210.35**

THICK UNDERLAYMENT

- **SLU 1040.35**

OVERLAYMENT

- **SLO 540.40**

CHOOSE THE RIGHT COMPOUND IN FOUR STEPS

Ready-mixed self-levelling compound flows out to an even, flat surface — the foundation of every floor finish.

01
Level difference
Measure the actual level difference: up to 10mm, a thin underlayment; 10 - 40mm, **SLU 1040.35** or **SLO 540.40**.

02
Layer above
Tile, stone, carpet, PVC, vinyl, rubber, raised floor, epoxy — or left exposed as the floor: choose **SLO 540.40**.

03
Strength class
Choose by the class C of EN 13813:2002 required by the design — C16, C25, C35 or C40.

04
Substrate and primer
Highly absorbent substrates: brush, spray or roll **BuMaPRIMER** 2 - 3 times before pouring.

7
PRODUCTS IN THE LINE
1 primer
4 thin underlayments 1 - 10mm
1 thick underlayment 10 - 40mm
1 overlayment 5 - 40mm

C40
HIGHEST COMPRESSIVE CLASS
Overlayment: ≥ 40.0MPa (C40) after 28 days; lowest grade: ≥ 16.0MPa (C16) — choose by the class the design requires.

~3 hours
LIGHT TRAFFIC
5 underlayments and the overlayment: light traffic after ~3 hours, finishes after 6 - 24 hours.

All data in this document are taken from the issued **Technical Data Sheet (TDS) version 2026.10** of each product. Scan the QR code on each product card to open the latest TDS. Where this document and the TDS differ, **the TDS prevails**.

ONE FLOOR SYSTEM, FOUR ROLES



Primer

BuMaPRIMER

Better adhesion, lower substrate absorption, fewer air bubbles — applied before the compound.



Thin underlayment

BuMaLEVEL · SLU 210.16
SLU 210.25 · SLU 210.35

Levels floors 1 - 10mm per layer before tile, PVC, vinyl, carpet, raised flooring or epoxy.



Thick underlayment

SLU 1040.35

10 - 40mm in a single pour, with high flexural and bond strength (F10 - B1,0).



Overlayment

SLO 540.40

Abrasion-resistant wearing surface with no further covering, or an underlayment 5 - 40mm; terrazzo effect possible.

QUICK COMPARISON OF 6 SELF-LEVELLING COMPOUNDS

Product	Classification EN 13813:2002	Thickness per layer	Compressive 28 days · MPa	Flexural 28 days · MPa	Bond MPa	Water per 20kg bag	Light traffic after	Taber 28 days (g)
BuMaLEVEL	CT-C35-F7-B0,5	1 - 10mm	≥ 35.0	≥ 7.0	≥ 0.5	4.0 - 4.2L	~6 hours	≤ 0.2
SLU 210.16	CT-C16-F5-B0,5	2 - 10mm	≥ 16.0	≥ 5.0	≥ 0.5	4.6L	~3 hours	≤ 5.0
SLU 210.25	CT-C25-F6-B0,5	2 - 10mm	≥ 25.0	≥ 6.0	≥ 0.5	4.6L	~3 hours	≤ 4.0
SLU 210.35	CT-C35-F7-B0,5	2 - 10mm	≥ 35.0	≥ 7.0	≥ 0.7	4.6L	~3 hours	≤ 3.0
SLU 1040.35	CT-C35-F10-B1,0	10 - 40mm	≥ 35.0	≥ 10.0	≥ 1.0	4.0L	~3 hours	≤ 2.8
SLO 540.40	CT-C40-F10-B1,0	5 - 40mm	≥ 40.0	≥ 10.0	≥ 1.2	4.0L	~3 hours	≤ 0.4

Compressive and flexural to BS EN 13892-2:2002 · Bond to BS EN 13892-8:2002 · Taber abrasion resistance to ASTM D4060-14 (the fewer grams, the less wear).
All compounds: Coverage ~1.70kg/m² per 1mm thickness · Flow ≥ 125mm · Pot life 10 minutes at 32°C · Substrate temperature 4 - 32°C.
BuMaPRIMER is a primer, outside the EN 13813:2002 classification — data on the card on page 34.

THE PRODUCT NAME CARRIES THE DATA

SLU 210.16
2 - 10mm thick · Compressive ≥ 16.0MPa (C16)

SLU 1040.35
10 - 40mm thick · Compressive ≥ 35.0MPa (C35)

SLO 540.40
5 - 40mm thick · Compressive ≥ 40.0MPa (C40)

The digits before the dot give the **thickness range per layer** (mm); the two digits after the dot give the **compressive strength class** C of EN 13813:2002.
SLU is an underlayment self-levelling compound, SLO an overlayment.

READING THE EN 13813:2002 CLASSIFICATION

CT
Cementitious screed material

C
Compressive strength class, MPa

F
Flexural strength class, MPa

B
Bond strength class, MPa

Put together: **CT-C35-F7-B0,5** is a cementitious screed, compressive ≥ 35.0MPa, flexural ≥ 7.0MPa, bond ≥ 0.5MPa.
Tender documents usually specify by designation rather than trade name — check all three classes C · F · B.

PRIMER AND THIN UNDERLAYMENTS · 01 - 04



BuMaPRIMER

SYNTHETIC RESIN PRIMER
WATER-BASED · FOR SELF-LEVELLING SYSTEMS

Water dispersion of synthetic resins for treating gypsum, mortar and concrete surfaces — improves the adhesion of self-levelling compound, tile adhesive and render; reduces substrate absorption and limits air bubbles.

0.1 - 0.2 kg/m²	20 - 30 min	14 ± 1 %	8.0 - 10.0
Coverage	Drying time	Solid content	pH

05kg/pail and 20kg/pail · Colour: Milky white · Shelf life 12 months
NUMBER OF COATS 1 coat; 2 - 3 coats on absorbent substrates

PRIMER

Outside the
EN 13813:2002 classification

Zero-VOC
certification

For interior use only

BuMaPRIMER



BuMaLEVEL

CEMENTITIOUS SELF-LEVELLING COMPOUND · THICKNESS 1 - 10mm

Cementitious self-levelling compound for levelling concrete, mortar beds and existing tile or stone before the finish. High flow, pumped or trowel-applied; 1 - 10mm per layer.

≥ 35.0 MPa	≥ 7.0 MPa	≥ 0.5 MPa	1 - 10 mm
Compressive · 28 days	Flexural · 28 days	Adhesion	Thickness per layer

20kg/bag · Colour: Grey · Shelf life 06 months
WATER MIXING RATIO 4.0 - 4.2L per 20kg bag
COVERAGE ~1.70kg/m² per 1mm thickness

CLASSIFICATION EN 13813:2002

In compliance with EUROPEAN standard
EN 13813
CT - B0,5
C35 - F7
BUMATECH
Screed Material and Floor screed

CT-C35-F7-B0,5

BuMaLEVEL



SLU 210.16

SELF-LEVELLING UNDERLAYMENT · THICKNESS 2 - 10mm · FAST DRYING

Fast-drying underlayment self-levelling compound — levels floors before PVC, vinyl, rubber flooring, carpet, raised flooring or epoxy. Thickness 2 - 10mm; for interior use only.

≥ 16.0 MPa	≥ 5.0 MPa	≥ 0.5 MPa	2 - 10 mm
Compressive · 28 days	Flexural · 28 days	Adhesion	Thickness per layer

20kg/bag · Colour: Grey · Shelf life 06 months
WATER MIXING RATIO 4.6L per 20kg bag
COVERAGE ~1.70kg/m² per 1mm thickness

CLASSIFICATION EN 13813:2002

In compliance with EUROPEAN standard
EN 13813
CT - B0,5
C16 - F5
BUMATECH
Screed Material and Floor screed

CT-C16-F5-B0,5

SLU 210.16



SLU 210.25

SELF-LEVELLING UNDERLAYMENT · THICKNESS 2 - 10mm · FAST DRYING

Fast-drying underlayment self-levelling compound — same 2 - 10mm range, strength class C25. Underlayment for tile, stone, carpet, PVC, vinyl, raised flooring, epoxy; for interior use only.

≥ 25.0 MPa	≥ 6.0 MPa	≥ 0.5 MPa	2 - 10 mm
Compressive · 28 days	Flexural · 28 days	Adhesion	Thickness per layer

20kg/bag · Colour: Grey · Shelf life 06 months
WATER MIXING RATIO 4.6L per 20kg bag
COVERAGE ~1.70kg/m² per 1mm thickness

CLASSIFICATION EN 13813:2002

In compliance with EUROPEAN standard
EN 13813
CT - B0,5
C25 - F6
BUMATECH
Screed Material and Floor screed

CT-C25-F6-B0,5

SLU 210.25

HIGH STRENGTH · THICK SECTION · OVERLAYMENT · 05 - 07



SLU 210.35

SELF-LEVELLING UNDERLAYMENT · THICKNESS 2 - 10mm · FAST DRYING

Fast-drying underlayment self-levelling compound — 2 - 10mm range, strength class C35 and flexural F7. Underlayment for tile, stone, carpet, PVC, vinyl, raised flooring, epoxy; for interior use only.

≥ 35.0 MPa	≥ 7.0 MPa	≥ 0.7 MPa	2 - 10 mm
Compressive · 28 days	Flexural · 28 days	Adhesion	Thickness per layer

20kg/bag · Colour: Grey · Shelf life 06 months
WATER MIXING RATIO 4.6L per 20kg bag
COVERAGE ~1.70kg/m² per 1mm thickness

CLASSIFICATION EN 13813:2002

In compliance with EUROPEAN standard
EN 13813
CT - B0,5
C35 - F7
BUMATECH
Screed Material and Floor screed

CT-C35-F7-B0,5

SLU 210.35



SLU 1040.35

THICK-SECTION UNDERLAYMENT COMPOUND · THICKNESS 10 - 40mm

Thick-section underlayment compound — places 10 - 40mm in a single pour, with high flexural and bond strength (F10 - B1,0). Levels floors before the finishing layer.

≥ 35.0 MPa	≥ 10.0 MPa	≥ 1.0 MPa	10 - 40 mm
Compressive · 28 days	Flexural · 28 days	Adhesion	Thickness per layer

20kg/bag · Colour: Grey · Shelf life 06 months
WATER MIXING RATIO 4.0L per 20kg bag
COVERAGE ~1.70kg/m² per 1mm thickness

CLASSIFICATION EN 13813:2002

In compliance with EUROPEAN standard
EN 13813
CT - B1,0
C35 - F10
BUMATECH
Screed Material and Floor screed

CT-C35-F10-B1,0

SLU 1040.35



SLO 540.40

OVERLAYMENT SELF-LEVELLING COMPOUND
THICKNESS 5 - 40mm · WEARING SURFACE

Overlayment self-levelling compound 5 - 40mm thick: an abrasion-resistant wearing surface with no further covering, or an underlayment. Add coloured aggregate or coloured glass for a terrazzo effect, dry-polished after 3 days.

≥ 40.0 MPa	≥ 10.0 MPa	≥ 1.2 MPa	5 - 40 mm
Compressive · 28 days	Flexural · 28 days	Adhesion	Thickness per layer

20kg/bag · Colour: Grey · Shelf life 06 months
WATER MIXING RATIO 4.0L per 20kg bag
COVERAGE ~1.70kg/m² per 1mm thickness

CLASSIFICATION EN 13813:2002

In compliance with EUROPEAN standard
EN 13813
CT - B1,0
C40 - F10
BUMATECH
Screed Material and Floor screed

CT-C40-F10-B1,0

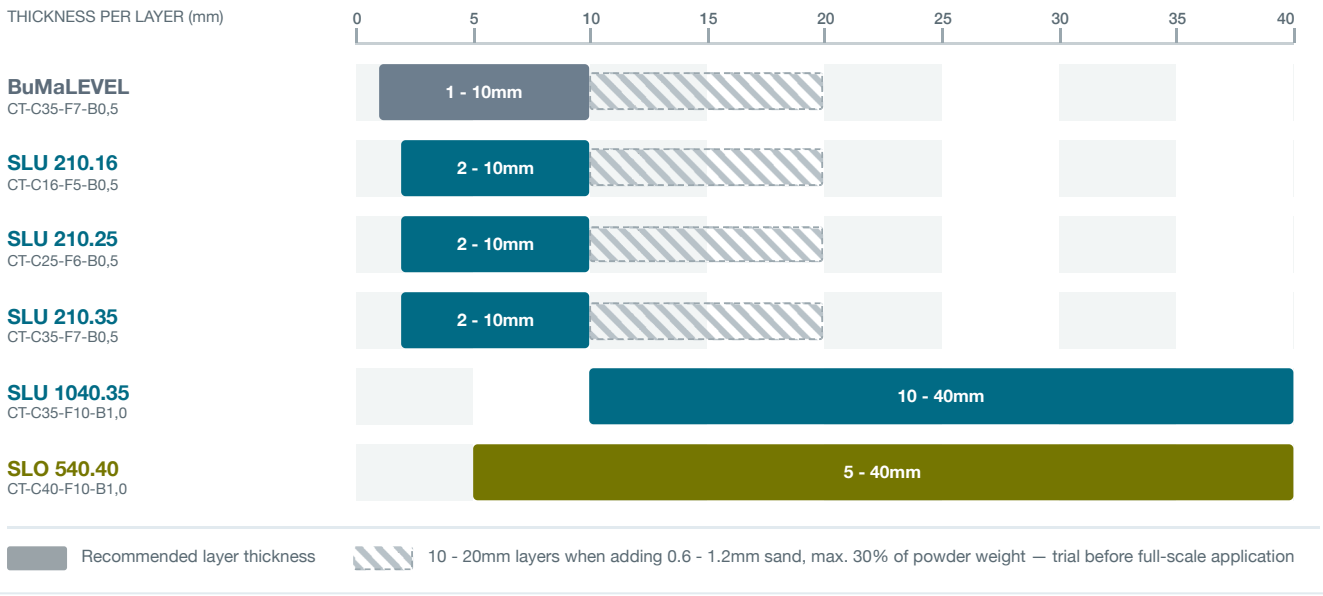
SLO 540.40

TIME MILESTONES — FROM THE END OF MIXING AND POURING

Product	Pot life	Light traffic	Ready to use	Shelf life
BuMaLEVEL	10 minutes at 32°C	~6 hours	24 - 72 hours	06 months
SLU 210.16	10 minutes at 32°C	~3 hours	6 - 24 hours	06 months
SLU 210.25	10 minutes at 32°C	~3 hours	6 - 24 hours	06 months
SLU 210.35	10 minutes at 32°C	~3 hours	6 - 24 hours	06 months
SLU 1040.35	10 minutes at 32°C	~3 hours	6 - 24 hours	06 months
SLO 540.40	10 minutes at 32°C	~3 hours	6 - 24 hours	06 months

BuMaPRIMER: allow the primer to dry 20 - 30 minutes, depending on site conditions, before applying the compound.
The 3 grades **SLU 210.16** · **SLU 210.25** · **SLU 210.35** share thickness range, water and milestones — they differ in class C · F · B.

SELECTION BY THICKNESS TO MAKE UP



SCOPE OF USE

Finish above
Tile, stone, carpet, PVC, vinyl, rubber flooring, raised flooring, epoxy.
SLO 540.40 can serve as an abrasion-resistant wearing surface with no covering.

Substrates
Concrete · Cementitious mortar beds
Underfloor heating · Cement terrazzo
Existing ceramic tile and natural stone

Area
All 7 products are for interior use only.

SUBSTRATE PREPARATION — COMMON TO THE 6 COMPOUNDS

Concrete	Sound, free of dust, oil, grease and curing compounds Mechanically roughened to ICRI 310.2R-2013 CSP 2 - 3 Pull-off strength ≥ 0.5MPa to ASTM C1583/C1583M-25
Mortar bed	Sound and clean Minimum pull-off strength 0.5MPa to ASTM C1583/C1583M-25
Cracks	Repair by injection with the epoxy product BUMA-SP Bond 81 before application
Highly absorbent substrates	Brush, spray or roll **BuMaPRIMER** 2 - 3 times
Existing tile or stone	Firmly bonded, ≥ 0.5MPa; otherwise remove Abrade, wash, let dry, then apply a **BuMaFLEX** bonding coat

QUICK COVERAGE — ONE 20kg BAG COVERS

2mm	3mm	5mm	10mm	20mm	40mm
5.8m²	3.9m²	2.3m²	1.1m²	0.5m²	0.2m²

Calculated from ~1.70kg/m² per 1mm thickness, rounded down, wastage excluded.
BuMaPRIMER: 0.1 - 0.2kg/m², depending on the substrate — i.e. 5 - 10m² per kg per coat.

FOUR PRECAUTIONS

Add nothing else
Never add cement or any other admixture.
SLO 540.40 only: 3 - 5mm sand, stone chips, coloured aggregate or coloured glass for a terrazzo effect.

No excess water
Do not exceed the specified water — excess water lowers strength and bond.

Right temperature range
Not when the surface is below 4°C or above 32°C, or when the air may fall below 10°C.

Right thickness, enough time
Thin underlayments: max. 10mm per layer;
no traffic or finishes before the stated time.

TEN STEPS FOR SELF-LEVELLING COMPOUND

Photos show **SLU 210.16** — the procedure is common to the 6 compounds. Others: check the water per bag in the table on page 33.



B1

Check · Roughen · Vacuum

Sound substrate; roughen to CSP 2 - 3, vacuum off the dust.



B2

Prime with BuMaPRIMER

Highly absorbent substrates: brush, spray or roll 2 - 3 times.



B3

Measure the water

Measure **4.6L per 20kg bag** of clean water into a clean bucket.



B4

Add the bag to the water

Slowly add 01 bag of 20kg to the bucket while mixing.



B5

Mix · Rest · Remix

Mixer at ~300rpm for about 2 minutes; let stand 1 minute, then remix.



B6

Pour onto the floor

Pour via the chute; use the batch within 10 minutes.



B7

Spread with the gauge rake

In spiked shoes, spread the compound evenly with the gauge rake.



B8

Smooth the batch joins

Use a large smoothing trowel to blend the pours seamlessly.



B9

Spiked roller to de-air

Roll a spiked roller to release air for a smooth, even surface.



B10

Curing

Light traffic after ~3 hours; install finishes after 6 - 24 hours.

TOOLS TO PREPARE

Surface grinder · Vacuum cleaner · Measuring jug · Mixing bucket · Mixer · Flat trowel · Gauge rake · Smoothing trowel · Spiked roller · Spiked shoes

Never exceed the specified water
Excess water reduces the strength and bond of the compound.

Use each batch within 10 minutes
Mix at most 2 bags at a time; use a professional mixer for larger quantities.

Wait the full time before finishing
No traffic or finishes earlier than recommended — to avoid debonding and surface cracking.

WORKING TIMES BY PRODUCT

Product	Flow retention ASTM C1708-19	Healing time ASTM C1708-19	Use after mixing (pot life)	Foot traffic
BuMaLEVEL	~30 minutes	~10 minutes	~10 minutes	~6 hours *(3mm thick)*
SLU 210.16	~15 minutes	~05 minutes	~10 minutes	~3 hours *(3 - 5mm thick)*
SLU 210.25	~15 minutes	~05 minutes	~10 minutes	~3 hours *(3 - 5mm thick)*
SLU 210.35	~10 minutes	~05 minutes	~10 minutes	~3 hours *(3 - 5mm thick)*
SLU 1040.35	~20 minutes	~10 minutes	~10 minutes	~3 hours *(10 - 20mm thick)*
SLO 540.40	~30 minutes	~10 minutes	~10 minutes	~3 hours *(5 - 10mm thick)*

PRODUCT LINE 5.MOTA

CONSTRUCTION MORTAR

Structure and finishing — strong bond, structural stability, repair mortars. The line comprises **25 products** — use the table below for quick selection; details of each product follow on the next pages.



LINE 5.MOTA PRODUCT LIST

PRODUCT	DESCRIPTION	CLASSIFICATION · STANDARD	PACKAGING	PAGE
BuMaFILL 30	Cementitious non-shrink grout · Light duty · 30.0MPa	TCVN 9204:2012 · ASTM C1437-20 · C349-24 · C403/C403M-23 · C940-22	25kg/bag	45
BuMaFILL 50	Cementitious non-shrink grout · Light to medium duty · 50.0MPa	TCVN 9204:2012 · ASTM C1437-20 · C349-24 · C403/C403M-23 · C940-22	25kg/bag	45
BuMaFILL 70	Cementitious non-shrink grout · Heavy duty · 70.0MPa	TCVN 9204:2012 · ASTM C1437-20 · C349-24 · C403/C403M-23 · C940-22	25kg/bag	45
BuMaFILL 90	Cementitious non-shrink grout · Ultra heavy duty · 90.0MPa	TCVN 9204:2012 · ASTM C1437-20 · C349-24 · C403/C403M-23 · C940-22	25kg/bag	45
TopHARD	Floor surface hardener · Dry-shake · Cement based	TCVN 3121-11:2022	25kg/bag	44
Skim 2in1 IN	Thin-coat wall skim mortar · Interior · 5mm per layer	TCVN 7239:2014	25kg/bag	43
Skim 2in1 EX	Thin-coat wall skim mortar · Exterior · High-rise buildings	TCVN 7239:2014	25kg/bag	43
AAC-J	Thin-bed mortar for AAC blocks & panels · Thin joint 2 - 5mm	TCVN 9028:2011	25kg/bag	43
FLEX JC 2K	Flexible joint compound · Two-component · Crack-bridging	BS EN 14891:2017 · ASTM D412-16(2021) · D4541-22	07kg/set · 35kg/set	44
IWR	Ready-mixed masonry & rendering mortar · Waterproof · Moisture resistant	ASTM C1714/C1714M-26 · C270-26 Type S · C1384-23 Type WR	25kg/bag	43
WTP MOTA	Cement-based waterproofing mortar · Direct-to-brick · Premium grade	EN 998-1:2016 type OC · CS IV · W2	25kg/bag	43
PATCH 20	General-purpose repair mortar · 20MPa · Surface defects	Design value · Awaiting test	25kg/bag	44
PATCH 40	High strength repair mortar · 40MPa · Concrete structures	ASTM C349-24 · C348-21 · D7234-21	25kg/bag	44
PATCH 60	Very high strength repair mortar · 60MPa · Load-bearing structures	Design value · Awaiting test	25kg/bag	44
Re 75	Ready-mixed masonry & rendering mortar · Grade 75 · 7.5MPa	TCVN 4314:2022	25kg/bag · 50kg/bag	41
Re 100	Ready-mixed masonry & rendering mortar · Grade 100 · 10.0MPa	TCVN 4314:2022	25kg/bag · 50kg/bag	41
Sc 100	Ready-mixed dry mortar · Grade 100 · 10.0MPa	TCVN 4314:2022	25kg/bag · 50kg/bag	41
Sc 150	Ready-mixed dry mortar · Grade 150 · 15.0MPa	TCVN 4314:2022	25kg/bag · 50kg/bag	41
Sc 200	Ready-mixed dry mortar · Grade 200 · 20.0MPa	TCVN 4314:2022	25kg/bag · 50kg/bag	41
Sc 250	Ready-mixed dry mortar · Grade 250 · 25.0MPa	–	25kg/bag · 50kg/bag	41
Sc 300	Ready-mixed dry mortar · Grade 300 · 30.0MPa	TCVN 4314:2022	25kg/bag · 50kg/bag	41
Sc 350	Ready-mixed dry mortar · Grade 350 · 35.0MPa	–	25kg/bag · 50kg/bag	41
Sc 400	Ready-mixed dry mortar · Grade 400 · 40.0MPa	–	25kg/bag · 50kg/bag	41
Sc 500	Ready-mixed dry mortar · Grade 500 · 50.0MPa	–	25kg/bag · 50kg/bag	41
Sc 600	Ready-mixed dry mortar · Grade 600 · 60.0MPa	–	25kg/bag · 50kg/bag	41

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25 PRODUCTS IN THE 5.MOTA LINE

RE · SC MASONRY, RENDER, SCREED
- Re 75 · Re 100
- Sc 100 · Sc 150 · Sc 200 · Sc 250
- Sc 300 · Sc 350 · Sc 400
- Sc 500 · Sc 600

SPECIALITY MASONRY AND RENDER
- IWR
- WTP MOTA
- AAC-J

SURFACE FINISHING
- Skim 2in1 IN
- Skim 2in1 EX
- TopHARD

CONCRETE REPAIR
- PATCH 20
- PATCH 40
- PATCH 60

JOINT TREATMENT
- FLEX JC 2K

NON-SHRINK GROUTS
- BuMaFILL 30
- BuMaFILL 50
- BuMaFILL 70
- BuMaFILL 90

CHOOSE THE RIGHT MORTAR IN FOUR STEPS

Identify the job, the substrate, the design strength and the exposure — then choose the product.

01
What job
Masonry, render, screed, wall finishing, floor hardening, repair, grouting or joints — see the application table on page 46.

02
Substrate
Fired clay brick, pressed block, concrete, AAC or precast panels — each TDS states the suitable substrates and when a bonding coat is needed.

03
Design strength
Choose the grade by design strength. This document does not assign grades to applications and does not replace the design specification.

04
Exposure
Skim 2in1 IN for interior work, **Skim 2in1 EX** for exterior; walls exposed to wind-driven rain and water-immersed elements use **WTP MOTA**.

25
PRODUCTS IN THE LINE
25 products in 6 families: 11 Re · Sc grades for masonry, render and screed, and 14 speciality products for masonry and render, finishing, repair, joints and grouting.

90.0MPa
HIGHEST COMPRESSIVE STRENGTH
The highest-grade non-shrink grout reaches ≥ 90.0MPa after 28 days to TCVN 9204:2012 · ASTM C349-24.

11
RE · SC GRADES
One type of mortar, 28-day compressive strength from 7.5MPa to 60.0MPa — the 9 Sc grades also serve as floor screed.

All data in this document are taken from the issued **Technical Data Sheet (TDS) version 2026.10** of each product. Scan the QR code on each product card and on page 41 to open the latest TDS. Where this document and the TDS differ, **the TDS prevails**.

ONE LINE, SIX FAMILIES BY JOB

Masonry and render, finishing, repair, joints, non-shrink grouting — one family for each job on site, all cement-based and factory-mixed.



*Laying a floor screed with ready-mixed dry mortar **Sc 100***

Re · Sc masonry, render, screed

11 GRADES

The same Portland cement, selected aggregates and synthetic polymer additives — differing only in 28-day compressive strength, from **Re 75** ≥ 7.5MPa to **Sc 600** ≥ 60.0MPa. The 9 Sc grades also serve as floor screed.



*Applying **IWR** water-resistant render to an external wall*

Speciality masonry and render

3 TYPES

IWR for waterproof, moisture-resistant masonry and render; **WTP MOTA** rendered straight onto brick, render and waterproofing in one; **AAC-J** for laying AAC blocks and panels with joints of 2 - 5mm.



*Applying **Skim 2in1 EX** to the concrete wall of a high-rise building*

Surface finishing

3 TYPES

Skim 2in1 IN indoors, **Skim 2in1 EX** outdoors — 5mm per layer, in place of the traditional skim coat. **TopHARD** is broadcast dry onto fresh concrete to harden the floor surface.



*Patching honeycombing and surface defects with **PATCH 20***

Concrete repair

3 TYPES

PATCH 20 patches non-structural defects; **PATCH 40** repairs structures damaged by reinforcement corrosion; **PATCH 60** is for heavily loaded structures, abrasion and aggressive environments.



*Applying **FLEX JC 2K** and bedding glass-fibre mesh into a panel joint*

Joint treatment

1 TYPE

Pre-packaged powder and liquid components, high adhesion and flexibility — joints of precast wall panels, cement board, plasterboard, and cracks. Not for movement joints.



*Pouring **BuMaFILL 30** into the formwork of a small equipment base*

Non-shrink grouts

4 TYPES

One-component, non-shrink, self-levelling — grouting machine bases, anchor bolts, gaps. Four grades of 28-day compressive strength 30.0 · 50.0 · 70.0 · 90.0MPa.

CLASSIFICATION AND TEST STANDARDS BY FAMILY

Re · Sc

Classified to TCVN 4314:2022 (6 grades) · Tested to TCVN 3121-3:2022 · TCVN 3121-11:2022 · TCVN 3121-17:2022

Speciality masonry and render

IWR: ASTM C1714/C1714M-26 · C270-26 Type S · C1384-23 Type WR · **WTP MOTA**: EN 998-1:2016 · OC · CS IV · W2 · **AAC-J**: TCVN 9028:2011

Surface finishing

Skim 2in1 IN, **Skim 2in1 EX**: TCVN 7239:2014 · **TopHARD**: TCVN 3121-11:2022

Concrete repair

ASTM C349-24 · ASTM C348-21 · ASTM D7234-21

Joint treatment

ASTM D4541-22 · BS EN 14891:2017 · ASTM D412-16(2021) · ISO 868:2003

Non-shrink grouts

TCVN 9204:2012 · ASTM C1437-20 · ASTM C349-24 · ASTM C940-22 · ASTM C403/C403M-23

Standards are taken from the “Standard” column of the Technical data table and from the Classification cell of each TDS. Tender documents specify by standard — check the year of issue printed on the TDS.

11 GRADES — ONE MORTAR, DIFFERENT STRENGTHS

The 11 grades share the same composition and the same Uses section in the TDS; they differ in 28-day compressive strength, mixing water, the liquid gauged in place of water and the mesh reinforcement threshold. Choose the grade by design strength.

Grade	Compressive 28 days, MPa	Water per 25kg bag, L	Water per 50kg bag, L	In place of water	Mesh where thicker than	Uses per the TDS
Re 75	**≥ 7.5**	3.50 - 3.75	7.00 - 7.50	**BuMaLATEX**	3cm	Masonry · Render · Repair
Re 100	**≥ 10.0**	3.50 - 3.75	7.00 - 7.50	**BuMaLATEX**	3cm	Masonry · Render · Repair
Sc 100	**≥ 10.0**	3.25 - 3.50	6.50 - 7.00	**BuMaLATEX**	3cm	Masonry · Render · Repair · Screed
Sc 150	**≥ 15.0**	3.00 - 3.25	6.00 - 6.50	**BuMaLATEX**	3cm	Masonry · Render · Repair · Screed
Sc 200	**≥ 20.0**	3.00 - 3.25	6.00 - 6.50	**BuMaLATEX**	3cm	Masonry · Render · Repair · Screed
Sc 250	**≥ 25.0**	3.00 - 3.25	6.00 - 6.50	**BuMaLATEX**	3cm	Masonry · Render · Repair · Screed
Sc 300	**≥ 30.0**	3.00 - 3.25	6.00 - 6.50	**BuMaLATEX**	3cm	Masonry · Render · Repair · Screed
Sc 350	**≥ 35.0**	3.00 - 3.25	6.00 - 6.50	**BuMaLATEX**	3cm	Masonry · Render · Repair · Screed
Sc 400	**≥ 40.0**	3.00 - 3.25	6.00 - 6.50	**BuMaLATEX / LATEX SP**	2cm	Masonry · Render · Repair · Screed
Sc 500	**≥ 50.0**	3.13 - 3.38	6.25 - 6.75	**BuMaLATEX / LATEX SP**	2cm	Masonry · Render · Repair · Heavy-duty screed
Sc 600	**≥ 60.0**	3.25 - 3.50	6.50 - 7.00	**BuMaLATEX / LATEX SP**	2cm	Masonry · Render · Repair · Heavy-duty screed

Flowability tested to TCVN 3121-3:2022 · Compressive strength to TCVN 3121-11:2022 · Chloride ion to TCVN 3121-17:2022 — common to all 11 grades.

Classified to TCVN 4314:2022: 6 grades **Re 75** · **Re 100** · **Sc 100** · **Sc 150** · **Sc 200** · **Sc 300**.



Ready-mixed dry mortar bag common to the 11 grades · 25kg/bag · 50kg/bag

COMMON DATA

Packaging	25kg/bag · 50kg/bag
Colour	Grey
Coverage	One 25kg bag yields 12.5 - 13.0 litres of mortar
Flowability	175 - 205mm
Drying per 10mm layer	02 - 03 hours
Curing	Mist-cure for at least 7 days
Chloride ion content	< 0.1%
Shelf life	06 months (unopened bag)
Storage	Cool, dry, well-ventilated place

SCAN FOR THE TDS OF EACH GRADE

RE 75 — Re 75
RE 100 — Re 100
SC 100 — Sc 100
SC 150 — Sc 150
SC 200 — Sc 200
SC 250 — Sc 250
SC 300 — Sc 300
SC 350 — Sc 350
SC 400 — Sc 400
SC 500 — Sc 500
SC 600 — Sc 600

Do not add cement or sand to the product. The mortar is factory-batched — adding other materials alters the mix design and voids the declared performance figures. Reinforce between layers with steel mesh or **BuMaMESH 70** / **BuMaMESH 150** where the mortar layer exceeds the threshold in the sixth column.

14 SPECIALITY PRODUCTS — QUICK COMPARISON

Product	Compressive 28 days, MPa	Bond MPa	Mixing water	Coverage	Thickness, dimensions	Shelf life
IWR Masonry, render	≥ 10.0	≥ 0.5	3.38 - 3.63 L per 25kg bag	~0.7m²/bag at 20mm thickness	–	06 months
WTP MOTA Masonry, render	≥ 15.0 CS IV	≥ 0.5 Brick	3.75 - 4.00 L per 25kg bag	~2.0kg/m² per 1mm	12mm/layer · Max 48mm	06 months
AAC-J Masonry, render	≥ 10.0	≥ 0.4 · ≥ 0.8 AAC blocks · Concrete	5.75 - 6.25 L per 25kg bag	At 2mm: 13.5m² · 3mm: 9.0m² · 4mm: 6.7m² per bag 600 × 200 × 100mm block	Joint thickness 2 - 5mm	06 months
Skim 2in1 IN Finishing	≥ 10.0	≥ 0.8	5.75 - 6.00 L per 25kg bag	~1.5kg/m² per 1mm thickness	5mm per layer · Max 10mm (2 layers)	06 months
Skim 2in1 EX Finishing	≥ 10.0	≥ 1.2	5.75 - 6.00 L per 25kg bag	~1.5kg/m² per 1mm thickness	5mm per layer · Max 10mm (2 layers)	06 months
TopHARD Finishing	≥ 60.0	–	– Dry shake	3 - 5kg/m² (grey) · 5 - 7kg/m² (other colours) Normal areas	Joint bays maximum 25m²	06 months
PATCH 20 Repair	≥ 20.0	≥ 0.7	5.00 - 5.25 L per 25kg bag	One 25kg bag yields 13 - 14 litres of mortar	Minimum 5mm per layer	06 months
PATCH 40 Repair	≥ 40.0	≥ 1.0	5.00 - 5.25 L per 25kg bag	One 25kg bag yields 13 - 14 litres of mortar	Minimum 5mm per layer	06 months
PATCH 60 Repair	≥ 60.0	≥ 1.5	5.00 - 5.25 L per 25kg bag	One 25kg bag yields 13 - 14 litres of mortar	Minimum 5mm per layer	06 months
FLEX JC 2K Joints	–	≥ 0.5 Concrete	2.5 : 1 powder:liquid	0.4kg per linear metre — 10cm wide, 2mm thick	Minimum joint width 2mm	06 months
BuMaFILL 30 Non-shrink grout	≥ 30.0	≥ 0.5	3.50 - 3.75 L per 25kg bag	~76 bags yield 1m³ of mortar	Minimum cavity clearance 10mm	12 months
BuMaFILL 50 Non-shrink grout	≥ 50.0	≥ 0.8	3.50 - 3.75 L per 25kg bag	~76 bags yield 1m³ of mortar	Minimum cavity clearance 10mm	12 months
BuMaFILL 70 Non-shrink grout	≥ 70.0	≥ 1.2	3.50 - 3.75 L per 25kg bag	~76 bags yield 1m³ of mortar	Minimum cavity clearance 10mm	12 months
BuMaFILL 90 Non-shrink grout	≥ 90.0	≥ 1.5	3.50 - 3.75 L per 25kg bag	~76 bags yield 1m³ of mortar	Minimum cavity clearance 10mm	12 months

TopHARD: compressive strength to TCVN 3121-11:2022. **WTP MOTA**: class CS IV to EN 998-1:2016. Test standards for each product are printed on the product cards on pages 43 to 45.

THREE PAIRS THAT ARE OFTEN CONFUSED

IWR or WTP MOTA

WTP MOTA is the premium product, for elements that demand high waterproofing performance and long-term durability; **IWR** is the standard product. **WTP MOTA** is rendered straight onto fired clay brick with no base render; **IWR** for masonry and render needs a bonding coat on concrete.

Skim 2in1 IN or Skim 2in1 EX

Two different products: IN for interior walls and ceilings; EX for exterior walls and high-rise buildings — bond strength ≥ 0.8MPa and ≥ 1.2MPa.

PATCH 20 or PATCH 40 · PATCH 60

PATCH 20 must NOT be used on load-bearing members or where reinforcement is corroded — for those, choose **PATCH 40** or **PATCH 60**.

SPECIALITY MASONRY, RENDER AND WALL FINISHING

3 masonry and render mortars for specific conditions — waterproofing, moisture resistance, lightweight blocks — and 2 thin-coat skim renders in place of the traditional skim coat.



IWR

READY-MIXED MASONRY & RENDERING MORTAR · WATERPROOF · MOISTURE RESISTANT

Ready-mixed mortar of Portland cement, selected aggregates and a powdered water-repellent polymer additive — a waterproof, moisture-resistant mortar whose strength and bond are superior to site-batched mortar. Masonry, render and repair, interior and exterior, wherever waterproofing and moisture resistance are required.

≥ 10.0MPa	≥ 0.5MPa	≤ 5%	02 - 03hours
Compressive · 28 days	Bond strength	Water absorption	Drying per 10mm layer

25kg/bag · Colour: Grey · Shelf life 06 months
MIXING WATER 3.38 - 3.63L per 25kg bag
COVERAGE ~0.7m²/bag at 20mm thickness
MESH REINFORCEMENT Where the mortar layer exceeds 10mm

CLASSIFICATION
ASTM C1714/C1714M-26 · C270-26 Type S · C1384-23 Type WR

TEST STANDARDS
ASTM C1384-23
ASTM C1506-24
ASTM C349-24
ASTM C185-20
ASTM C1403-22a

IWR



WTP MOTA

CEMENT-BASED WATERPROOFING MORTAR · DIRECT-TO-BRICK · PREMIUM GRADE

Ready-mixed cementitious waterproofing mortar rendered straight onto fired clay brickwork, with no base render — render and waterproofing in one layer, for external walls exposed to wind-driven rain and water-immersed elements. The premium product of the line; the standard product is **IWR**.

≥ 15.0MPa	≥ 0.5MPa	5m	12mm
Compressive · 28 days · CS IV	Bond to brick	Head of water · Pass	Per layer · Max 48mm

25kg/bag · Colour: Grey · Shelf life 06 months
MIXING WATER 3.75 - 4.00L per 25kg bag
COVERAGE ~2.0kg/m² per 1mm

CLASSIFICATION · CERTIFICATION
EN 998-1:2016 · OC · CS IV · W2
Capillary absorption
≤ 0.20kg/(m²·min$^{0.5}$) · W2

TEST STANDARDS
TCVN 3121-11:2022
EN 1015-11:2019
TCVN 3121-18:2022
EN 1015-18:2002
TCVN 3121-12:2022
EN 1015-12:2016
TCVN 3121-10:2022
EN 1015-21:2002
ASTM D6904-03(2022)
ASTM D7088-17

WTP MOTA



AAC-J

THIN-BED MORTAR FOR AAC BLOCKS & PANELS · THIN JOINT 2 - 5mm

Ready-mixed mortar for laying AAC blocks and panels, concrete blocks, hollow blocks, fired clay bricks or fly-ash bricks — polymer additives give high bond strength, water retention and stability. Traditional joints of 12 - 20mm are reduced to 2 - 5mm; gauged with water only; no curing required.

≥ 10.0MPa	≥ 0.4MPa	≥ 0.8MPa	2 - 5mm
Compressive · 28 days	Adhesion to AAC	Adhesion to concrete	Joint thickness

25kg/bag · Colour: Grey · Shelf life 06 months
MIXING WATER 5.75 - 6.25L per 25kg bag
COVERAGE 600 × 200 × 100mm block —
At 2mm: 13.5m² · 3mm: 9.0m² · 4mm: 6.7m² per bag

TIME
Setting **≥ 180 minutes** · Adjustment **≥ 5 minutes** · No curing required

TEST STANDARDS
TCVN 9028:2011

AAC-J



Skim 2in1 IN

THIN-COAT WALL SKIM MORTAR · INTERIOR · 5mm PER LAYER

Premium polymer-modified cementitious skim render — water retention, high adhesion, easy application. Finishes interior walls and ceilings in place of the traditional skim coat; applied directly to AAC with no base render and no primer coat. For exterior work use **Skim 2in1 EX**.

≥ 10.0MPa	≥ 0.8MPa	5mm	~1.5kg/m²
Compressive · 28 days	Adhesion to concrete	Per layer · Max 10mm	Coverage per 1mm

25kg/bag · Colour: Grey or white (on request) · Shelf life 06 months
MIXING WATER 5.75 - 6.00L per 25kg bag
DRYING PER LAYER 04 - 12 hours
PRIMER COAT not required

SUITABLE SUBSTRATES
Concrete · Cement-based renders · Pressed concrete block · AAC blocks and panels · Precast wall panels

TEST STANDARDS
TCVN 7239:2014
TCVN 3121-3:2022
TCVN 3121-11:2022
TCVN 3121-12:2022
TCVN 3121-17:2022

SKIM 2IN1 IN



Skim 2in1 EX

THIN-COAT WALL SKIM MORTAR · EXTERIOR · HIGH-RISE BUILDINGS

Premium polymer-modified cementitious skim render with a mix design specific to exterior exposure: finishes exterior walls in place of the traditional skim coat, in particular concrete walls of high-rise buildings and building façades. The surface must receive a protective paint or coating.

≥ 10.0MPa	≥ 1.2MPa	5mm	~1.5kg/m²
Compressive · 28 days	Adhesion to concrete	Per layer · Max 10mm	Coverage per 1mm

25kg/bag · Colour: Grey or white (on request) · Shelf life 06 months
MIXING WATER 5.75 - 6.00L per 25kg bag
DRYING PER LAYER 04 - 12 hours
PRIMER COAT not required

SUITABLE SUBSTRATES
Concrete · Cement-based renders · Precast concrete wall panels

TEST STANDARDS
TCVN 7239:2014
TCVN 3121-3:2022
TCVN 3121-11:2022
TCVN 3121-12:2022
TCVN 3121-17:2022

SKIM 2IN1 EX

FLOOR HARDENING, REPAIR AND JOINTS

Dry-shake hardening of fresh concrete floors, three grades of concrete repair mortar and a two-component mortar for joints and cracks.



TopHARD

FLOOR SURFACE HARDENER · DRY-SHAKE · CEMENT BASED

Ready-mixed dry-shake floor hardener of Portland cement, selected aggregates, polymers and pigments resistant to alkali and UV — broadcast onto fresh concrete and power-floated into an abrasion-resistant floor of uniform colour. Not for floors exposed to chemicals.

≥ 60.0MPa	≥ 10.0MPa	≥ 7	3 - 5kg/m²
Compressive strength	Flexural strength	Mohs hardness	Normal areas · Grey

25kg/bag · Colour: Concrete grey · Green · Custom colour on request · Shelf life 06 months
COVERAGE, HEAVY-DUTY AREAS 5 - 11kg/m² (grey) · 7 - 13kg/m² (other colours)
WET-OUT BEFORE FLOATING 5 - 10 minutes

MOVEMENT JOINTS

Joint bays of **maximum 25m²** · Carried right through from the concrete slab to the floated surface · Seal the joints after 28 days

TEST STANDARDS

TCVN 3121-11:2022

TopHARD



PATCH 20

GENERAL-PURPOSE REPAIR MORTAR · 20MPa · SURFACE DEFECTS

Cementitious general-purpose repair mortar for non-structural defects: patching honeycombing, filling formwork holes and tie-rod holes, reforming chipped arrises, re-finishing surfaces before painting. Not for load-bearing members or corroded reinforcement — use **PATCH 40**, **PATCH 60**.

≥ 20.0MPa	≥ 3.0MPa	≥ 0.7MPa	≥ 7.5MPa
Compressive · 28 days	Flexural · 28 days	Adhesion to concrete	Compressive · 1 day

25kg/bag · Colour: Grey · Shelf life 06 months
MIXING WATER 5.00 - 5.25L per 25kg bag
COVERAGE One 25kg bag yields 13 - 14 litres of mortar
MINIMUM THICKNESS 5mm per layer

DO NOT USE ON

Load-bearing members or where reinforcement is corroded — use **PATCH 40** or **PATCH 60**

TEST STANDARDS

ASTM C349-24
ASTM C348-21
ASTM D7234-21

PATCH 20



PATCH 40

HIGH STRENGTH REPAIR MORTAR · 40MPa · CONCRETE STRUCTURES

High-strength repair mortar of high-strength cement, selected aggregates, silica fume, an expansive admixture and polymers: early strength development, non-shrink, high adhesion. Repairs concrete structures damaged by reinforcement corrosion and precast concrete units.

≥ 40.0MPa	≥ 6.0MPa	≥ 1.0MPa	≥ 15.0MPa
Compressive · 28 days	Flexural · 28 days	Adhesion to concrete	Compressive · 1 day

25kg/bag · Colour: Grey · Shelf life 06 months
MIXING WATER 5.00 - 5.25L per 25kg bag
COVERAGE One 25kg bag yields 13 - 14 litres of mortar
MINIMUM THICKNESS 5mm per layer

APPLICATION

Trowelled with a steel trowel or sprayed with spray equipment

TEST STANDARDS

ASTM C349-24
ASTM C348-21
ASTM D7234-21

PATCH 40



PATCH 60

VERY HIGH STRENGTH REPAIR MORTAR · 60MPa · LOAD-BEARING STRUCTURES

Very high strength repair mortar for heavily loaded structures, abrasion and aggressive environments — beams, columns and slabs in transport infrastructure, marine port structures, chemical plants. Rapid strength development returns the structure to service early.

≥ 60.0MPa	≥ 9.0MPa	≥ 1.5MPa	≥ 22.5MPa
Compressive · 28 days	Flexural · 28 days	Adhesion to concrete	Compressive · 1 day

25kg/bag · Colour: Grey · Shelf life 06 months
MIXING WATER 5.00 - 5.25L per 25kg bag
COVERAGE One 25kg bag yields 13 - 14 litres of mortar
MINIMUM THICKNESS 5mm per layer

REINFORCEMENT

Clean back to bright steel before patching — patching over rusted steel causes the repair to debond later

TEST STANDARDS

ASTM C349-24
ASTM C348-21
ASTM D7234-21

PATCH 60



FLEX JC 2K

FLEXIBLE JOINT COMPOUND · TWO-COMPONENT · CRACK-BRIDGING

Pre-packaged two-component cementitious mortar of high adhesion and flexibility: treats joints between precast concrete wall panels, CFC boards and plasterboard, and cracks in concrete and cement-based mortar surfaces. Not for movement joints or structural joints.

≥ 0.5MPa	≥ 0.75mm	≥ 20%	≥ 65
Adhesion · 28 days	Crack bridging	Elongation at break	Shore A hardness

07kg/set · 35kg/set · Colour: Grey or off-white · Shelf life 06 months
MIX RATIO 2.5 : 1 (powder:liquid)
COVERAGE 0.4kg per linear metre, 10cm wide, 2mm thick

WAITING TIME

Between layers **~2 hours** · Before finishing **24 hours** · Use the mix within **1 hour**

TEST STANDARDS

ASTM D4541-22
BS EN 14891:2017
ASTM D412-16(2021)
ISO 868:2003

FLEX JC 2K

NON-SHRINK GROUTS

One-component, non-shrink, self-levelling — gauged with clean water only. Four strength grades for machine bases, anchor bolts and structures from light to ultra-heavy loading.



BuMaFILL 30

CEMENTITIOUS NON-SHRINK GROUT · LIGHT DUTY · 30.0MPa

One-component, non-shrink, self-levelling cementitious grout — gauged with clean water only, it runs into complex cavities and fills them without entrapped air. For small machine and equipment bases, anchor bolts, gaps and wall pockets, props and light steel frames.

≥ 30.0MPa	≥ 10.5MPa	≥ 0.5MPa	10mm
Compressive · 28 days	Compressive · 1 day	Bond strength	Min. cavity clearance

25kg/bag · Colour: Grey · Shelf life 12 months
MIXING WATER 3.50 - 3.75L per 25kg bag
COVERAGE ~76 bags yield 1m³ of mortar

SETTING · SHRINKAGE · FLOW

Aggregate ≤ **2.5mm** ·
Initial set ≥ **05 hours** ·
Final set ≤ **12 hours** ·
Length change **0** ≤ **S** ≤ **+3** ·
Expansion, bleeding **0** ·
Initial flow ≥ **200mm**

TEST STANDARDS

TCVN 9204:2012
ASTM C1437-20
ASTM C349-24
ASTM C940-22
ASTM C403/C403M-23

BuMaFILL 30



BuMaFILL 50

CEMENTITIOUS NON-SHRINK GROUT · LIGHT TO MEDIUM DUTY · 50.0MPa

Non-shrink, self-levelling grout for the range between light and medium loading: light industrial machine bases, anchor bolts, light industrial steel columns, prestressing ducts, medium bridge structures, rail track beds, concrete repair.

≥ 50.0MPa	≥ 17.5MPa	≥ 0.8MPa	10mm
Compressive · 28 days	Compressive · 1 day	Bond strength	Min. cavity clearance

25kg/bag · Colour: Grey · Shelf life 12 months
MIXING WATER 3.50 - 3.75L per 25kg bag
COVERAGE ~76 bags yield 1m³ of mortar

SETTING · SHRINKAGE · FLOW

Aggregate ≤ **2.5mm** ·
Initial set ≥ **05 hours** ·
Final set ≤ **12 hours** ·
Length change **0** ≤ **S** ≤ **+3** ·
Expansion, bleeding **0** ·
Initial flow ≥ **200mm**

TEST STANDARDS

TCVN 9204:2012
ASTM C1437-20
ASTM C349-24
ASTM C940-22
ASTM C403/C403M-23

BuMaFILL 50



BuMaFILL 70

CEMENTITIOUS NON-SHRINK GROUT · HEAVY DUTY · 70.0MPa

Non-shrink grout reaching strengths equivalent to the high-strength concrete class, for heavy industrial works: heavy industrial machine bases and anchor bolts, vibrating equipment foundations, prestressed bridge girders, marine port structures, column heads in top-down construction.

≥ 70.0MPa	≥ 24.5MPa	≥ 1.2MPa	10mm
Compressive · 28 days	Compressive · 1 day	Bond strength	Min. cavity clearance

25kg/bag · Colour: Grey · Shelf life 12 months
MIXING WATER 3.50 - 3.75L per 25kg bag
COVERAGE ~76 bags yield 1m³ of mortar

SETTING · SHRINKAGE · FLOW

Aggregate ≤ **2.5mm** ·
Initial set ≥ **05 hours** ·
Final set ≤ **12 hours** ·
Length change **0** ≤ **S** ≤ **+3** ·
Expansion, bleeding **0** ·
Initial flow ≥ **200mm**

TEST STANDARDS

TCVN 9204:2012
ASTM C1437-20
ASTM C349-24
ASTM C940-22
ASTM C403/C403M-23

BuMaFILL 70



BuMaFILL 90

CEMENTITIOUS NON-SHRINK GROUT · ULTRA HEAVY DUTY · 90.0MPa

The summit of the non-shrink grout range, equivalent to ultra-high strength concrete (UHSC): large turbines and generators, ultra heavy anchor bolts, wind towers, port and offshore structures, chemical and petrochemical plants.

≥ 90.0MPa	≥ 31.5MPa	≥ 1.5MPa	10mm
Compressive · 28 days	Compressive · 1 day	Bond strength	Min. cavity clearance

25kg/bag · Colour: Grey · Shelf life 12 months
MIXING WATER 3.50 - 3.75L per 25kg bag
COVERAGE ~76 bags yield 1m³ of mortar

SETTING · SHRINKAGE · FLOW

Aggregate ≤ **2.5mm** ·
Initial set ≥ **05 hours** ·
Final set ≤ **12 hours** ·
Length change **0** ≤ **S** ≤ **+3** ·
Expansion, bleeding **0** ·
Initial flow ≥ **200mm**

TEST STANDARDS

TCVN 9204:2012
ASTM C1437-20
ASTM C349-24
ASTM C940-22
ASTM C403/C403M-23

BuMaFILL 90

COMPRESSIVE STRENGTH DEVELOPMENT BY AGE — GROUTS AND REPAIR MORTARS

Compressive · MPa	BuMaFILL 30	BuMaFILL 50	BuMaFILL 70	BuMaFILL 90	PATCH 20	PATCH 40	PATCH 60
After 1 day	≥ 10.5	≥ 17.5	≥ 24.5	≥ 31.5	≥ 7.5	≥ 15.0	≥ 22.5
After 3 days	≥ 15.0	≥ 25.0	≥ 35.0	≥ 45.0	≥ 10.0	≥ 20.0	≥ 30.0
After 7 days	≥ 22.5	≥ 37.5	≥ 52.5	≥ 67.5	≥ 15.0	≥ 30.0	≥ 45.0
After 28 days	≥ 30.0	≥ 50.0	≥ 70.0	≥ 90.0	≥ 20.0	≥ 40.0	≥ 60.0

Minimum values declared in the Technical data table of the TDS — grouts tested to TCVN 9204:2012 · ASTM C349-24, repair mortars to ASTM C349-24. Early strength determines when equipment and structures can be put into service — check against the designer's requirements.

SELECTION BY APPLICATION

Application	Products per the TDS
Laying fired clay brick and pressed concrete block walls	Re 75 to Sc 600 · 11 grades · IWR · AAC-J
Laying AAC blocks and panels — thin joints of 2 - 5mm	AAC-J
Rendering interior and exterior walls	Re 75 to Sc 600 · 11 grades · IWR
External walls exposed to wind-driven rain — render and waterproofing in one	WTP MOTA
Roof slabs, basement walls, negative-side waterproofing	WTP MOTA
Floor screed	Sc 100 to Sc 600 · 9 Sc grades
Finishing interior walls and ceilings — in place of the skim coat	Skim 2in1 IN
Finishing exterior walls, high-rise buildings	Skim 2in1 EX
Abrasion-resistant floors: car parks, warehouses, ramps	TopHARD
Patching honeycombing, tie-rod holes, surface defects	PATCH 20
Repairing structures damaged by reinforcement corrosion	PATCH 40
Heavily loaded structures, abrasion, aggressive environments	PATCH 60
Joints of precast wall panels, cement board, plasterboard	FLEX JC 2K
Grouting machine bases, anchor bolts	BuMaFILL 30 · BuMaFILL 50 · BuMaFILL 70 · BuMaFILL 90
Vibrating equipment foundations, turbines, marine ports	BuMaFILL 70 · BuMaFILL 90

QUICK COVERAGE FOR TAKE-OFF

Product	One 25kg bag yields, litres of mortar	Bags per 1m³ of mortar	Packaging
Re 75 to Sc 600 · 11 grades	12.5 - 13.0	~77 - 80	25kg/bag · 50kg/bag
IWR	~14.0	~71	25kg/bag
WTP MOTA	~12.5	~80	25kg/bag
Skim 2in1 IN	~16.7	~60	25kg/bag
Skim 2in1 EX	~16.7	~60	25kg/bag
PATCH 20	13 - 14	~71 - 77	25kg/bag
PATCH 40	13 - 14	~71 - 77	25kg/bag
PATCH 60	13 - 14	~71 - 77	25kg/bag
BuMaFILL 30	~13.2	~76	25kg/bag
BuMaFILL 50	~13.2	~76	25kg/bag
BuMaFILL 70	~13.2	~76	25kg/bag
BuMaFILL 90	~13.2	~76	25kg/bag

Product	Coverage by area or length — per the TDS	Packaging
AAC-J	600 × 200 × 100mm block · At 2mm: 13.5m² · 3mm: 9.0m² · 4mm: 6.7m² per bag	25kg/bag
TopHARD	Normal areas 3 - 5kg/m² (grey) · 5 - 7kg/m² (other colours)	25kg/bag
FLEX JC 2K	0.4kg per linear metre — 10cm wide, 2mm thick	07kg/set · 35kg/set

Litres of mortar per bag and bags per 1m³ of mortar are converted from the TDS coverage for a 25kg bag, rounded, with no allowance for wastage. Actual coverage varies with the flatness of the substrate, the applied thickness and workmanship — always carry out a trial application on a small area before full-scale work.

APPLICATION PROCEDURES FOR SIX MORTAR GROUPS



A Masonry, render, screed

Re 75 to **Sc 600**

*Applying **Re 75** render to a brick wall with a plastering trowel*

1 Bonding coat
Roughen concrete to ICRI CSP 2 - 3; apply a bonding coat of **BuMaLATEX** mixed with cement before rendering.

2 Machine mixing
Add the water for each grade (page 41) to the mixer, add the mortar and mix for 5 - 10 minutes.

3 Application
Wooden float or plastering trowel; each 10mm layer dries in 02 - 03 hours — let each layer dry before the next.

4 Curing
Mist with water for at least 7 days from application; reinforce thick layers with **BuMaMESH 70** / **BuMaMESH 150**.



B Waterproof render straight onto brick

IWR · **WTP MOTA**

***WTP MOTA** rendered straight onto a fired clay brick wall, with no base render*

1 Substrate
Brick wall with joints filled, clean; dampen, no standing water; make good cracks first. Rendered straight onto red brick, no bonding coat.

2 Mixing
IWR: 3.38 - 3.63L water per 01 bag of 25kg.
WTP MOTA: 3.75 - 4.00L — water first, then powder; stand 5 minutes, remix, use within 30 - 45 minutes.

3 Rendering
IWR: wooden float or plastering trowel, 10mm per layer.
WTP MOTA: thrown onto the brick with a mason's trowel, levelled with a float; 12mm per layer, 48mm maximum in total — water-immersed elements at least 40mm.

4 Drying time
IWR: each layer dries in 02 - 03 hours.
WTP MOTA: each layer dries in 15 - 20 hours; not when rain is imminent, in harsh sun or strong wind.
No curing required.



C Thin-bed laying

AAC-J

*Spreading **AAC-J** with a notched trowel onto lightweight concrete blocks*

1 Substrate
Substrate temperature 8°C to 35°C; sound surface, free of grease; wipe off dust and dampen, removing excess water.

2 Mixing
5.75 - 6.25L water per 01 bag of 25kg; mixer ~300 - 600rpm; stand 3 - 5 minutes then remix, adding no water.

3 Spreading
Notched trowel over the dampened block, 2 - 3mm thick (or as specified), then lay the block on top.

4 Checking
Check line and level regularly; wash tools while the mortar is fresh. No curing required.



D Thin-coat wall finishing

Skim 2in1 IN · **Skim 2in1 EX**

***Skim 2in1 IN** finishing an interior wall*

1 Substrate
Roughen concrete to ICRI CSP 1 - 2; mist pressed block, lightweight block and precast panels before application.

2 Mixing
5.75 - 6.00L water, slowly add 01 bag of 25kg; stand 5 minutes then remix — if the mix stiffens, remix without adding water.

3 Skimming
Steel trowel or float; each 5mm layer dries in 04 - 12 hours, let each layer dry before the next.

4 Limits
Not over 5mm per layer or 10mm in total (2 layers). Exterior walls must receive a protective paint or coating as specified.



E Concrete repair

PATCH 20 · **PATCH 40** · **PATCH 60**

*Applying **PATCH 40** to repair a damaged area of concrete*

1 Substrate
Substrate temperature 8°C to 35°C; sound, clean surface; dampen, remove excess water. Reinforcement cleaned to bright steel.

2 Machine mixing
Pour 5.00 - 5.25L water into the drum, slowly add the powder, low speed 300 - 500rpm, mix for 6 - 8 minutes.

3 Trowel · Spray
Steel trowel, pressed firmly into the repair — **PATCH 40**, **PATCH 60** can be sprayed; minimum 5mm per layer.

4 Finishing
Level and finish with a steel trowel. No curing required.



F Non-shrink grouting

BuMaFILL 30 · **BuMaFILL 50** · **BuMaFILL 70** · **BuMaFILL 90**

*Pouring **BuMaFILL 70** for steel column bases on a major project*

1 Substrate · Formwork
Clean the concrete; saturate with water (SSD), no standing water; formwork tight and rigid.

2 Mixing
3.50 - 3.75L clean water per 25kg bag; add the powder slowly to the water, paddle-mix until uniform, free of lumps.

3 Pouring
Pour continuously from one side to fill the cavity (≥ 10mm); pass a steel wire back and forth underneath.

4 Curing
Keep the surface damp after application to prevent premature water loss.

TWO SPECIFIC PROCEDURES · APPLICATION LIMITS



G Dry-shake floor hardening

TopHARD

*Broadcasting **TopHARD** onto fresh concrete before power floating*

1 Levelling
Level the concrete with a long aluminium straightedge after placing and before bleed water appears.

2 Broadcasting
Broadcast by hand once the bleed water has gone, at the full rate; let the powder wet out for 5 - 10 minutes until it darkens.

3 Floating
When the mix is plastic or near initial set, power-float at slow speed, final pass at high speed; steel trowel where access is difficult.

4 Movement joints
Cut right through from the slab to the floated surface, bays of maximum 25m²; after 28 days seal with an alkali-resistant sealant.



H Two-component joint treatment

FLEX JC 2K

*Applying **FLEX JC 2K** and bedding glass-fibre mesh into a panel joint*

1 Preparation
Clean joints with a wire brush, minimum depth 5mm; cut cracks to a V-groove of at least 10mm × 5mm; no standing water.

2 Mixing
10kg of liquid, slowly add 25kg of powder (powder:liquid ratio 2.5 : 1); stand 3 minutes then remix; use within 1 hour.

3 Two layers · Mesh
First layer at least 10cm wide, bed glass-fibre mesh while wet; about 2 hours later apply the second layer, about 2mm thick.

4 Finishing
Allow 24 hours, apply a thin skim coat; allow at least 24 hours more, then sand down and paint.

APPLICATION LIMITS PER THE TDS

Product	Substrate temperature	Thickness, dimensions	Mesh reinforcement	Curing
8 grades Re 75 to Sc 350	8 - 35°C	–	Mortar layer over 3cm	Mist-cure for at least 7 days
Sc 400 · Sc 500 · Sc 600	8 - 35°C	–	Mortar layer over 2cm	Mist-cure for at least 7 days
IWR	8 - 35°C	–	Mortar layer over 10mm	Not required
WTP MOTA	8 - 35°C	12mm/layer · Max 48mm	–	Not required
AAC-J	8 - 35°C	Joint thickness 2 - 5mm	–	Not required
Skim 2in1 IN · Skim 2in1 EX	8 - 35°C	5mm/layer · Max 10mm	–	Not required
TopHARD	8 - 35°C	Joint bays of maximum 25m²	–	Not required
PATCH 20 · PATCH 40 · PATCH 60	8 - 35°C	Minimum 5mm/layer	–	Not required
BuMaFILL 30 to BuMaFILL 90	8 - 35°C	Minimum cavity clearance 10mm	–	Keep the surface damp
FLEX JC 2K	8 - 35°C	Minimum joint width 2mm	Glass-fibre mesh between the two layers	Not required

PRODUCT-SPECIFIC PRECAUTIONS

WTP MOTA
Hydrostatic-pressure and negative-side waterproofing elements follow the separate instructions of the BUMATECH technical department — number of coats and total thickness differ from vertical walls.

PATCH 20
Do NOT use on load-bearing members or where reinforcement is corroded.

Skim 2in1 EX
Avoid strong sunshine, high wind or imminent rain; protect freshly applied surfaces. The surface must receive a protective paint or coating as specified.

BuMaFILL 30 to BuMaFILL 90
Do not add cement, sand or any admixture. Strongly alkaline — wear safety goggles and gloves during application.

TopHARD
Not for floors exposed to chemicals or to materials that react with cement. Colour may vary with the water/cement ratio of the concrete, the cement type and the application rate.

FLEX JC 2K
Do NOT use in movement joints or structural joints. Use the white grade where a skim coat and emulsion paint are to follow.

SIX SAFETY NOTES — COMMON TO THE CEMENT-BASED PRODUCTS

Skin and eyes
Portland cement is alkaline — with perspiration it may cause skin irritation or mild burns; dry or wet cement can cause serious eye injury.

Eye contact
Rinse immediately under gently running clean water for 10 - 15 minutes without rubbing; if pain persists, seek medical attention.

Protective equipment
Gloves · Safety goggles and fine-dust mask when mixing · Protective clothing.

Crystalline silica dust
Do NOT swallow; crystalline silica dust may cause lung disease or cancer — wear a dust mask or respirator.

Working environment
Well-ventilated area, away from confined spaces, children and pets; avoid inhaling cement dust when mixing dry material.

Surplus material and SDS
Reseal the bag after use; not down drains — let it harden, dispose of as construction waste. See the latest SDS on the BUMATECH website.

QUICK FINDER

64 PRODUCTS — FIND BY NAME

PRODUCT	LINE	PAGE
AAC-J	5.MOTA	43
BuMaBOND	1.TA	09
BuMaECO	1.TA	09
BuMaFAB	3.WP	27
BuMaFILL 30	5.MOTA	45
BuMaFILL 50	5.MOTA	45
BuMaFILL 70	5.MOTA	45
BuMaFILL 90	5.MOTA	45
BuMaFIX	1.TA	09
BuMaFLEX	1.TA	10
BuMaGREEN	1.TA	09
BuMaLASTIC	3.WP	25
BuMaLATEX	3.WP	24
BuMaLEVEL	4.SLC	34
BuMaMESH 70	3.WP	27
BuMaMESH 150	3.WP	27
BuMaPRIMER	4.SLC	34
BuMaSET	1.TA	09
BuMaTAPE	3.WP	27
CeRaCOLOR	2.TG	16
CeRaCOLOR ADMIX	2.TG	17
CeRaCOLOR USG	2.TG	16

PRODUCT	LINE	PAGE
CeRaCOLOR USG EXTRA	2.TG	16
CeRaLASTIC	1.TA	10
CeRaPOXY TA	1.TA	10
CeRaPOXY TG	2.TG	17
EnerSAV	3.WP	27
FLEX JC 2K	5.MOTA	44
FLEX WP 2K	3.WP	25
IWR	5.MOTA	43
K11F	3.WP	25
K11W	3.WP	25
LATEX SP	3.WP	24
PATCH 20	5.MOTA	44
PATCH 40	5.MOTA	44
PATCH 60	5.MOTA	44
PorceRAPID	1.TA	10
PRIMER F	3.WP	24
PRIMER MOI	3.WP	24
PRIMER W	3.WP	24
PROOF 668	3.WP	26
PUA 680	3.WP	26
Re 75	5.MOTA	41
Re 100	5.MOTA	41

PRODUCT	LINE	PAGE
Sc 100	5.MOTA	41
Sc 150	5.MOTA	41
Sc 200	5.MOTA	41
Sc 250	5.MOTA	41
Sc 300	5.MOTA	41
Sc 350	5.MOTA	41
Sc 400	5.MOTA	41
Sc 500	5.MOTA	41
Sc 600	5.MOTA	41
Skim 2in1 EX	5.MOTA	43
Skim 2in1 IN	5.MOTA	43
SLO 540.40	4.SLC	35
SLU 210.16	4.SLC	34
SLU 210.25	4.SLC	34
SLU 210.35	4.SLC	35
SLU 1040.35	4.SLC	35
SolarSHIELD	3.WP	27
TopHARD	5.MOTA	44
WALLCOAT	3.WP	26
WTP MOTA	5.MOTA	43

KEY PROJECTS · 2018 – 2026

ELEVEN YEARS ON SITE

23,214 t
Tonnes of materials supplied to 23 key high-rise projects, 2018 – 2025

14
General contractors and contractors as direct customers in these 23 projects

8
Consecutive years with high-rise projects, 2018 – 2025

HIGH-RISE & RESIDENTIAL · THE 12 PROJECTS WITH THE LARGEST SUPPLY VOLUMES

PROJECT	YEAR	CUSTOMER	MAIN PRODUCTS	TONNES
Feliz En Vista	2020	CSCEC Yangtze	BuMaECO · CeRaCOLOR	**2,800**
De La Sol	2024	CSCEC (Southeast Asia)	BuMaFIX · Skim 2in1 · BuMaBOND	**2,442**
Westgate	2023	Ricons	BuMaFIX · Skim 2in1 · CeRaCOLOR	**2,091**
Vinhomes Grand Park - PK3&4	2024	Coteccons · Unicons · Delta-V · Central	BuMaFIX · BuMaSKIM E · Sc 100	**1,850**
Diamond City An Giang - Phase 2	2023	Handong	Re 75	**1,745**
Exhibition Centre - Becamex Tower	2023	Ricons	Re 100 · BuMaFIX · BuMaSET	**1,538**
Lê Phong Bình Dương	2022	Unicons	BuMaFIX · Re 75 · Skim 2in1	**1,471**
The Symphony & The Grande Midtown	2020	CSCEC (Southeast Asia)	BuMaECO · BuMaFLEX · CeRaCOLOR	**1,118**
Akari Hoàng Nam	2024	Ricons	Skim 2in1 · FLEX JC 2K	**1,038**
Riverpark Premier	2020	Viễn Đông	BuMaECO · BuMaSET · CeRaCOLOR	**916**
Vinhomes Grand Park - PK2	2024	Coteccons · Unicons · Delta-V	BuMaFIX · BuMaSKIM E · CeRaCOLOR	**912**
Landmark 81	2018	Coteccons	BuMaFLEX · BuMaECO · BuMaLEVEL	**354**

Schools & hospitals

British University Vietnam	2025
Singapore International School	2024
Vinmec Đà Nẵng Hospital	2017
Bình Dương General Hospital	

Shopping malls

GO! Đồng Nai Mall	2025
GO! Tân Hiệp Mall	2024
AEON Mall Sora Garden	2023
Vạn Hạnh Mall	2018

Hotels & resorts

Amanoi Resort	2026
Vermilion Hill	2026
Wink Tuy Hoà	2024
Wink Cần Thơ	2024
Hồ Tràm Strip Phase 2	2022
TUI Blue Nam Hội An	2022

Industrial & infrastructure

Nhiêu Lộc – Thị Nghè Wastewater Treatment Plant	2025
4P's Cheese Factory	2024
Hậu Giang Biomass Power Plant	2024
Phan Thúc Duyện Underpass	2024
Bình Thuận 1 Wind Farm, Phase 2	2020
Meat Deli Processing Plant, Long An	2020

Source: BUMATECH Company Profile TK-CMO-91 (09.2026). Volumes rounded to the tonne; product names as recorded in the supply records at the time of each project.

SUSTAINABILITY · PRODUCT CERTIFICATION

GREEN MATERIALS FOR GREEN BUILDINGS

BUMATECH green products are developed to three criteria: **low emissions in production · Safety for applicators and occupants · Transparent environmental data** — so that every material choice contributes directly to the owner's green-building score (LEED, LOTUS, Green Mark).

Member of the Singapore Green Building Council (SGBC) and the Vietnam Green Building Council (VGBC). **17/64** products in this catalogue declare Low VOC on their TDS.

PRODUCTS WITH AN EPD NUMBER OR SGBP CERTIFICATION — PER TDS V2026.10

PRODUCT	LINE	DESCRIPTION	EPD NUMBER	SGBP	LOW VOC
BuMaFIX	1.TA	Multi-purpose tile adhesive	EPD-IES-0028308	SGBP 5758	Yes
BuMaECO	1.TA	Interior & exterior tile adhesive	EPD-IES-0028307	SGBP 3432	Yes
BuMaSET	1.TA	Exterior tile adhesive	EPD-IES-0028311	–	Yes
BuMaBOND	1.TA	Premium exterior tile adhesive	EPD-IES-0028306	SGBP 3762	Yes
BuMaFLEX	1.TA	Premium flexible tile adhesive	EPD-IES-0028309	–	Yes
CeRaLASTIC	1.TA	Speciality admixture	EPD-IES-0028312	–	Yes
CeRaCOLOR USG	2.TG	Fine tile grout	EPD-IES-0028315	SGBP 3433	Yes
CeRaCOLOR USG EXTRA	2.TG	Premium tile grout	EPD-IES-0028316	SGBP 3761	Yes
BuMaLASTIC	3.WP	High-elasticity waterproofing	EPD-IES-0028317	–	–
PROOF 668	3.WP	High-elasticity waterproofing	EPD-IES-0028329	–	–
BuMaLEVEL	4.SLC	Cementitious self-levelling compound	EPD-IES-0028333	–	Yes

EPD ROADMAP TO 2030

2024 – 2025
Production data standardised; greenhouse-gas inventory and internal LCA started

2026
EPDs published for the core product lines (tile adhesives, waterproofing)

2027 – 2028
EPD extended to the full range; formulations optimised to cut emissions

2030
100% of products with EPD — 5,000+ tonnes of CO_2 cut

EPD, SGBP and Low VOC data taken unchanged from each product's TDS v2026.10; EPD roadmap per Company Profile TK-CMO-91 (09.2026).

BUMATECH
Tile Adhesive • Waterproofing • Dry Mix • Construction Chemicals

CONTACT

BUILDING SUSTAINABLE PROJECTS TOGETHER

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COMPANY PROFILE
BUMATECH

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The data in this catalogue were established by laboratory testing under standard conditions; actual values vary with temperature, humidity, accompanying materials, application method and workmanship. Users are responsible for verifying suitability for their intended use. BUMATECH reserves the right to update technical information without prior notice — check the latest TDS version on the website before each project.