BUMATECH

Tile Adhesive • Waterproofing • Dry Mix • Construction Chemicals

PRODUCT LINE CATALOGUE · 2027



4.SLC PRODUCT LINE

SELF-LEVELLING COMPOUND

7 products — primer and cementitious self-levelling compounds to **EN 13813:2002**

Primer · Underlayment 1 - 40mm · Abrasion-resistant wearing surface

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

SINGAPORE GREEN BUILDING COUNCIL MEMBER

VGBC STANDARD MEMBER

BROCHURE SELF LEVELLING COMPOUND

COMPANY PROFILE BUMATECH

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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 4.

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.

≥ 35.0MPa	≥ 7.0MPa	≥ 0.7MPa	2 - 10mm
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.

≥ 35.0MPa	≥ 10.0MPa	≥ 1.0MPa	10 - 40mm
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.

≥ 40.0MPa	≥ 10.0MPa	≥ 1.2MPa	5 - 40mm
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

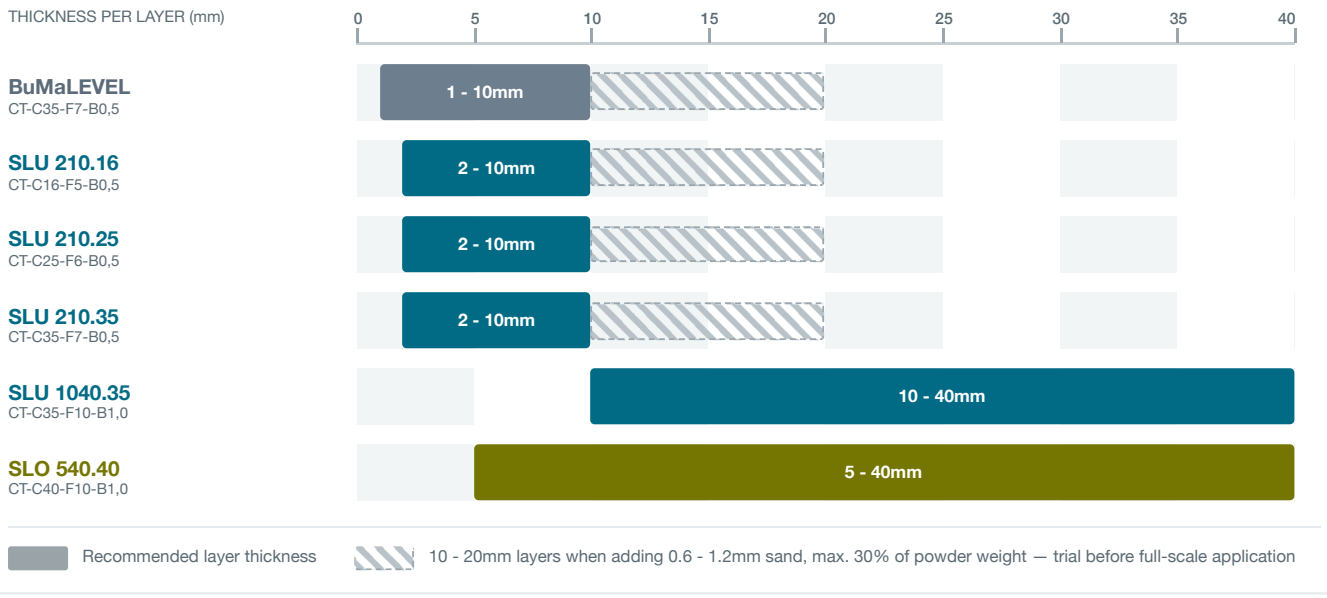
SLO 540.40

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 3.



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)*

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Tile Adhesive · Waterproofing · Dry Mix · Construction Chemicals

PRODUCT LINE CATALOGUE · 2027

BUILD BETTER · LIVE GREENER

COMPLETE SYSTEM SOLUTIONS

5.MOTA · CONSTRUCTION MORTAR
Screed with Sc-grade dry mortar before self-levelling — **Sc 100** to **Sc 600**.

3.WP · WATERPROOFING
Waterproof toilet floors before the finish — **K11F**, **FLEX WP 2K**, **BuMaLASTIC**.

1.TA · TILE ADHESIVE
Tile onto the self-levelled floor — **BuMaFIX**, **BuMaECO**. Existing tile: a **BuMaFLEX** bonding coat.

2.TG · TILE GROUT
Grout after tiling — **CeRaCOLOR**, **CeRaCOLOR USG**, **CeRaPOXY TG**.

THE 7 PRODUCTS OF THE LINE

The designation is the EN 13813:2002 classification of each product

BuMaPRIMER Primer	**BuMaLEVEL** CT-C35-F7-B0,5	**SLU 210.16** CT-C16-F5-B0,5	**SLU 210.25** CT-C25-F6-B0,5
SLU 210.35 CT-C35-F7-B0,5	**SLU 1040.35** CT-C35-F10-B1,0	**SLO 540.40** CT-C40-F10-B1,0	

SIX SAFETY NOTES — FOR THE WHOLE LINE

Skin and eyes
Cement is alkaline and may cause skin irritation, mild burns or allergy; dry or wet cement can cause serious eye injury.

Eye contact
Rinse at once under gently running water for 10 - 15 minutes, no rubbing; seek medical attention if pain persists.

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

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

Surplus material
Seal bags after use; no leftover material into drains — it may block them; let it dry, dispose of as construction waste.

Primer and SDS
Spraying primer: avoid the spray mist, never aim the nozzle at people. Latest SDS on the BUMATECH website.

SINGAPORE GREEN BUILDING COUNCIL MEMBER

VGBC STANDARD MEMBER

Company-level certification — member of SGBC and VGBC

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

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BROCHURE SELF LEVELLING COMPOUND

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