BUMATECH

Tile Adhesive • Waterproofing • Dry Mix • Construction Chemicals

PRODUCT LINE CATALOGUE · 2027



2.TG PRODUCT LINE

TILE GROUT

5 products — tile grouts and an additive to **EN 13888-1:2022 · ISO 13007-3:2010**

Dry interior, wet interior, exterior, swimming pools, water tanks and areas requiring chemical resistance.

- CeRaCOLOR
- CeRaCOLOR USG
- CeRaCOLOR USG EXTRA
- CeRaCOLOR ADMIX
- CeRaPOXY TG

SINGAPORE GREEN BUILDING COUNCIL MEMBER

VGBC STANDARD MEMBER

BROCHURE TILE GROUT

COMPANY PROFILE BUMATECH

ZALO OA

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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 3.

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 3.

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 6. 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 4.

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 6 · 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 6 · Shelf life 24 months
WATER MIXING RATIO 330 - 380ml/kg

CLASSIFICATION EN 13888-1:2022



CG2A

CeRaCOLOR USG

EPD INTERNATIONAL EPD SYSTEM

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



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 6 · Shelf life 24 months
WATER MIXING RATIO 330 - 380ml/kg

CLASSIFICATION EN 13888-1:2022



CG2WA

CeRaCOLOR USG EXTRA

EPD INTERNATIONAL EPD SYSTEM

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

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 6 · 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.

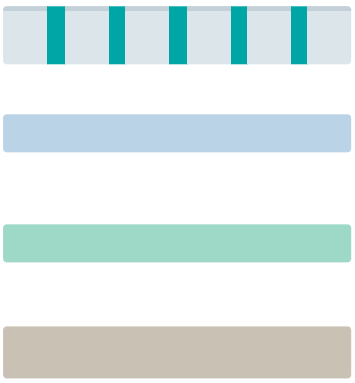
BUMATECH
Tile Adhesive · Waterproofing · Dry Mix · Construction Chemicals

PRODUCT LINE CATALOGUE · 2027

BUILD BETTER · LIVE GREENER

COMPLETE SYSTEM SOLUTIONS

JOINT CROSS-SECTION — FOUR LAYERS FROM THE TOP DOWN



2.TG · TILE GROUT
Joints 1 - 6mm — same range for all 5 products. Grout is the **final layer** of the build-up.

1.TA · TILE ADHESIVE
Grout only after the tile adhesive has **fully cured** — **BuMaGREEN**, **BuMaFIX**, **BuMaFLEX** and the other products of the line.

3.WP · WATERPROOFING
Toilets, balconies and water tanks need waterproofing before tiling — **K11F**, **FLEX WP 2K**, **BuMaLASTIC**.

4.SLC · 5.MOTA · SUBSTRATE
Concrete substrate, a floor screed of Sc grade from the 5.MOTA line, or a floor levelled with **BuMaLEVEL**.

SIX SAFETY NOTES

Skin and eyes — cement-based
Cement is alkaline and may cause skin irritation, mild burns or an allergic reaction; dry or wet cement can cause serious eye injury.

Skin and eyes — epoxy
Epoxy resin and hardener may irritate skin and eyes or cause an allergic reaction; prolonged skin contact may cause dermatitis or sensitisation.

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

Protective equipment
Gloves (chemical-resistant for epoxy) · Safety goggles · Dust mask when mixing · Protective clothing.

Environment and surplus material
Well-ventilated area; avoid confined spaces, keep children and pets away. No surplus material into drains; let epoxy cure fully before disposal.

Check the SDS before use
The latest Safety Data Sheet (SDS) is available on the BUMATECH website or from the technical department.

The full version is in the Safety Data Sheet (SDS) of each product.

SINGAPORE GREEN BUILDING COUNCIL MEMBER

VGBC STANDARD MEMBER

Company-level certification — member of SGBC and VGBC
Product-level certification is shown on each product card on pages 4 - 5

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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