

CeRaPOXY TG

EPOXY TILE GROUT
CHEMICAL RESISTANT · ULTRA-DURABLE

PRODUCT DESCRIPTION

CeRaPOXY TG is a two-component, solvent-free epoxy tile grout designed for tiling systems requiring exceptional chemical resistance, colour stability and long-term durability. Its cross-linked epoxy structure forms a dense, impermeable joint with zero capillary porosity, effectively preventing the penetration of chemicals and staining agents. The product is ideal for demanding environments such as food processing facilities, laboratories, swimming pools and industrial areas, where resistance to acids, alkalis and aggressive cleaning agents is essential. Non-shrink, crack-resistant, with high adhesion, excellent stain resistance and easy cleaning. Classified RG (reaction resin grout) in accordance with EN 13888-1:2022, ISO 13007-3:2010 and TCVN 7899-3:2008.

CLASSIFICATION · CERTIFICATION
EN 13888-1:2022
ISO 13007-3:2010
RG — reaction resin grout

QUICK SPECIFICATIONS

PACKAGING	5.2kg/set (A: 4.9kg · B: 0.3kg)
COLOUR	Refer to the colour chart
SHELF LIFE	12 months (unopened container)
MIXING RATIO	A : B = 16 : 1
POT LIFE	30 minutes at 35°C
WIDTH OF JOINT	1 - 6mm
PUT INTO SERVICE	After 24 hours
COVERAGE	**kg/m² = (A + B) × C × D × 1.8 × K / (A × B)** A, B, C: Length, width and thickness of the tile or stone · D: Joint width between tiles · K: Wastage factor 1.2 - 1.3 · All dimensions in mm



FEATURED PROJECT
Amanoi Resort

APPLICATION AREAS

Suitable for most types of tiles, natural stone, glass mosaic and stone mosaic

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

✓ Suitable · ✓✓ Ideal

TECHNICAL DATA

Property	Standard	Requirement	Result
Abrasion resistance	TCVN 7899-4:2008 ISO 13007-3:2010	≤ 250mm³	99.8mm³
Flexural strength under standard conditions		≥ 30.0MPa	31.0MPa
Compressive strength under standard conditions		≥ 45.0MPa	83.3MPa
Adhesion strength under standard conditions		≥ 2.0MPa	5.09MPa
Adhesion strength after heat aging			3.74MPa
Adhesion strength after water immersion			5.07MPa
Shrinkage		≤ 1.5mm/m	0.84mm/m
Water absorption after 240 minutes		≤ 0.1g	0g

The above results and recommendations are based on laboratory testing; actual performance may vary depending on the application method and specific site conditions

CHEMICAL RESISTANCE

Chemical	10 days	30 days
Hydrochloric acid (HCl) 10%	✓✓	✓✓
Hydrochloric acid (HCl) 37%	✓✓	✓
Sulfuric acid (H_2SO_4) 10%	✓✓	✓✓
Nitric acid (HNO_3) 5%	✓✓	✓✓
Nitric acid (HNO_3) 40%	✓✓	✗
Acetic acid 10%	✓✓	✓✓
Citric acid 25%	✓✓	✓✓

Chemical	10 days	30 days
Ammonia 28%	✓✓	✓✓
Caustic soda (NaOH) 25%	✓✓	✓✓
Acetone	✓	✗
Ethyl alcohol	✓✓	✓✓
Benzene	✓✓	✓✓
Gasoline	✓✓	✓✓

✓✓ Good resistance · ✓ Moderate resistance · ✗ Poor or no resistance · 10 days: short-term exposure · 30 days: long-term exposure

COLOUR REFERENCE CHART

#00 White	#25 Terracotta	#34 Natural Grey	#37 Light Mustard	#18 Vanilla
#23 Saddle Brown	#36 Navajo Tan	#46 Marble Beige	#24 Silver Grey	#03 Mocha
#45 Chestnut Brown	#12 Sky Blue	#17 Dark Grey	#30 Mushroom	#06 Olive Green
#47 Long Thuy Beach	#14 Anthracite	#31 Khaki	#07 Teal	#08 Black

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.

SAFETY INFORMATION

- **Skin and eyes:** this product contains epoxy resin and hardener, which may irritate skin and eyes and cause allergy in sensitive individuals; prolonged skin contact may cause dermatitis or sensitisation; grout or vapour in the eyes may cause severe irritation
- **Eye contact:** rinse immediately under gently running clean water for 10 - 15 minutes without rubbing; seek medical attention if irritation, pain or blurred vision persists
- **Protective equipment:** Chemical-resistant gloves · Safety goggles · Dust mask or respirator where ventilation is limited · Protective clothing and footwear
- **Working environment:** work in a well-ventilated area with good air movement; avoid confined spaces; keep children and pets away
- **Surplus material:** reseal the containers and store in a cool dry place; do not discharge uncured material into drains — allow it to cure fully and dispose of in accordance with local regulations
- Refer to the latest **Safety Data Sheet (SDS)** on the official BUMATECH website, or contact the technical department

PRECAUTIONS & DISCLAIMER

- Joints and working surfaces must be clean, dry and free of oil, grease, dust or contaminants; grout only after the tile adhesive has fully cured
- Mix the two components at the stated A : B ratio and stir until fully uniform; do not alter the ratio or split the material into smaller batches other than as specified
- Apply within the stated pot life; avoid temperatures far above or below the recommended range. Protect the surface from water, chemicals and mechanical impact until the material has cured completely
- 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 accepts no liability for loss arising from misuse, application contrary to these instructions, or combination with incompatible materials not confirmed in writing, and 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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