

BUMA-TG®

# CERAPOXY

Epoxy adhesive and grout for tile/ stone

In compliance with European standard

EN 13888

**RG**

Reaction resin grout

In compliance with European standard

EN 13888

**R2T**

Reaction resin adhesive for ceramic tiles

**Good chemical resistance**

**Zero water absorption**

**Easy to maintain, cleanable**

**Tough, durable, crack resistant**



**PRODUCT DESCRIPTION**

**Cerapoxy** is a premium-grade, water-cleanable, 100%-solids, high-strength epoxy mortar and chemical-resistant nonsagging grout. **Cerapoxy** is excellent for needing stain and chemical resistance. **Cerapoxy** is classified to RG, R2T in compliance with TCVN 7899:3 – 2008, EN 13888, ISO 13007-3

**USES****For use as tile grout**

- Ceramic tile, glass tile and stone applications, residential and commercial.
- Interior and exterior.
- Floors and walls.
- Ideal for re-grouting applications.
- Swimming pools, fountains and other wet area applications.

**For use as tile adhesive**

- For setting interior floors and walls
- For exterior installations, please contact BUMATECH's Technical Services Department
- For setting most ceramic, porcelain and quarry tiles, acid-resistant floorbrick, pavers and natural-stone tile
- For the installation of moisture-sensitive natural stone and their agglomerates. When setting light-colored marble, which can be stained by epoxy, use white **BuMaFlex**, white **BuMaFix/ BuMaEco** mix with **Ceralastic**

**Packaging**

5.2 kgs/set

**Colour**

Refer color chart

**CONSUMPTION****Tile grout consumption**

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

A, B, C is dimension of tile or stone

D is width of joint

K is wastage ratio (K=1.1-1.2)

All dimensions must be in mm

**Tile adhesive consumption:** 1.8kg/m<sup>2</sup>@1mm

**SHELF LIFE**

Factory sealed containers of this product are guaranteed to be of first quality for one (1) years if stored off the ground in a dry area

\* High temperature will effect to shelf life of product

**LIMITATIONS**

- DO NOT add water or any other material to the mixture, or re-temper with water. This will have an adverse effect on the product and void all warranties

**For use as tile grout**

- Joint width should be between 2.0 and 10 mm
- Do not use in areas subject to excessive heat. Once cured, **Cerapoxy** will resist temperatures up to 100°C.
- When used as a grout on exterior installations, color variations may occur over time, especially with lighter shades due to ultraviolet rays or environmental contaminants

**For use as tile adhesive**

- Do not install over substrates containing asbestos
- Do not exceed 6 mm in epoxy mortar thickness under the tile

**SURFACE PREPARATION**

- All surfaces should be between 4°C and 32°C

**For use as tile adhesive**

- All substrates should be structurally sound, stable, dry, clean and free of any substance or condition that may reduce or prevent proper adhesion

**For use as tile grout**

- Before grouting the joints, wait until the installation mortar or the adhesive is complete set
- Remove spacers and debris in grout joints and remove dust and dirt using a wet sponge
- The joints must be empty down to at least 2/3 of thickness of the tiles
- Adhesive, mortar must be removed from the joints whilst still fresh

**MIXING**

- Pour out all material from the Part B container into Part A. To ensure quality of product, use all materials at one time
- Use a slow-speed mixer (at about 300 rpm)
- Avoid prolonged mixing, which will trap air and shorten the pot life
- Mix thoroughly until a homogenous, consistent color is obtained

**INSTALLATION****For use as a mortar**

- Choose a typical notched trowel (see chart below) with sufficient depth to achieve > 80% mortar contact to both the tile and substrate and > 95% for exterior installations, commercial floor and wet applications. It may be necessary to back-butter tiles in order to reach these requirements
- Use flat side of the trowel, pressing firmly to work into surface
- Apply additional mortar, combing it in a single direction with the trowel's notched side
- Spread only as much mortar as can be tiled before product skins over. Open time can vary with jobsite conditions
- Place the tiles firmly into the wet mortar. Push the tiles back and forth in a direction perpendicular to trowel lines, to collapse the mortar ridges and to help achieve

maximum coverage. Ensure proper contact between mortar, tile and substrate by periodically lifting a few tiles to check for acceptable coverage  
Remove excess mortar from the joint areas so that at least 2/3 of the tile depth is available for grouting

#### For use as a grout

- Fill the joints with **Cerapoxy** mixture using BUMATECH rubber grout float.
- Ensure that joint is filled and grout is not sitting on top (i.e. “bridging the joint”)
- Remove excess grout from the face of the tile before it loses its plasticity or begin to set (5 – 10 minutes after application). Hold the float at a 90° angle and pull it at a 45° angle diagonally across the joints and tile to avoid pulling out the material. Leaving as little epoxy grout on the tile surface as possible
- Clean tiles immediately after applying each unit of **Cerapoxy**. Grout and clean in small areas. Do not attempt to use more than one **Cerapoxy** unit before cleaning tiles. Do not allow **Cerapoxy** to harden on the tile surface. On large projects, working in teams of 2 to 3 people will simplify the installation

#### Cleaning

- Due to high adhesion strength of this product (even on metals), tools should be washed before mixture becomes harden
- Once mixture setting, cleaning can only be carried out by mechanical method

#### DISCLAIMER

- Technical details and recommendations contained in this product datasheet correspond to the best of our knowledge and experiences at the time of printing
- These detail offered for user’s consideration and evaluation. It is the responsibility of the user to conduct their own tests to validate the suitability of the products for their requests
- Technical details and recommendations can be changed by site condition and workmanship of applicators.
- As we have no control over site conditions and the execution of the work, we accept no liability for any loss or damage which may rise as a result thereof. We also reserve the right to update the information at any time without prior notice to you to reflect our ongoing research and development program
- The newest technical data sheet will be supplied upon user request

#### TECHNICAL SERVICES/ AVAILABILITY

Information is available by calling

#### BUMATECH CO., LTD

**Office:** 154/1/5 Cong Lo, Ward 15, Tan Binh District, Ho Chi Minh City

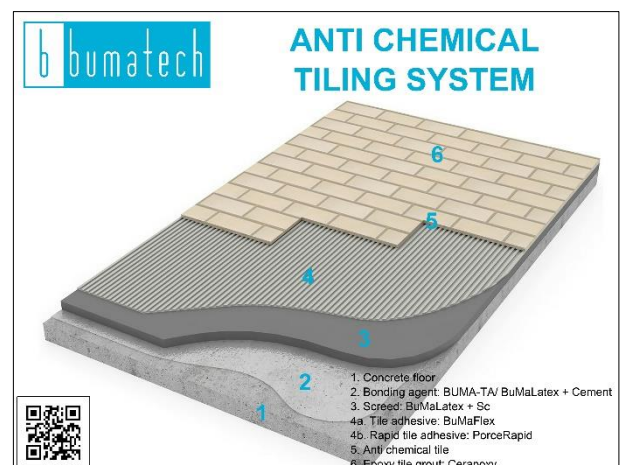
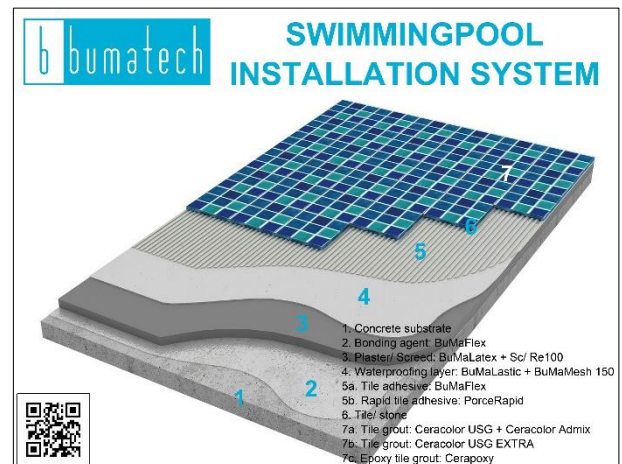
**Factory:** 820 Chanh Hamlet, Duc Lap Ha Ward, Duc Hoa District, Long An Province

Technical : 028. 3910 0814

Sale : 028. 3868 3803

Email : [info@bumatech.com.vn](mailto:info@bumatech.com.vn)

Website : [www.bumatech.com.vn](http://www.bumatech.com.vn)



# CERAPOXY

## PRODUCT PERFORMANCE PROPERTIES

Test	Test Method	Specification	Result
Abrasion resistance	TCVN 7899-4:2008 ISO 13007-3:2010	$\leq 250 \text{ mm}^3$	99.8 $\text{mm}^3$
Flexural strength under standard condition		$> 30 \text{ N/mm}^2$	31.0 $\text{N/mm}^2$
Compressive strength under standard condition		$> 45 \text{ N/mm}^2$	83.3 $\text{N/mm}^2$
Adhesive strength under standard condition		$> 2 \text{ N/mm}^2$	5.09 $\text{N/mm}^2$
Adhesive strength under heat aging condition		$> 2 \text{ N/mm}^2$	3.74 $\text{N/mm}^2$
Adhesive strength after immersed in water		$> 2 \text{ N/mm}^2$	5.07 $\text{N/mm}^2$
Shrinkage		$\leq 1.5 \text{ mm/m}$	0.84 $\text{mm/m}$
Water absorption after 240 mins		$\leq 0.1\text{g}$	0 g
Pot life (35°C)	n/a	n/a	~30 mins

## CHEMICAL RESISTANCE TABLE

Chemical	Duration of exposure	
	Short time (10 days)	Long time (30 days)
Hydrochloric Acid 10%	++	++
Hydrochloric Acid 37%	++	+
Sulfuric Acid 10%	++	++
Nitric Acid 5%	++	++
Nitric Acid 40%	++	-
Acetic Acid 10%	++	++
Citric Acid 25%	++	++
Ammonia 28%	++	++
Caustic Soda 25%	++	++
Acetone	+	-
Ethyl alcohol	++	++
Benzene	++	++
Gasoline	++	++

++: Excellent resistance

+: Good resistance

-: Poor or no resistance

Specifications subject to change without notification. Results shown are typical but reflect test procedures used. Actual field performance will depend on installation methods and site conditions.