

CeRaPOXY TA

EPOXY TILE ADHESIVE
TWO-COMPONENT · CHEMICAL RESISTANT

PRODUCT DESCRIPTION

CeRaPOXY TA is a premium two-component, solvent-free epoxy tile adhesive designed for installations demanding high bond strength and superior chemical resistance. Once cured it forms a durable, waterproof, non-absorbent bond with good abrasion resistance. It is suitable for bonding tile and stone to demanding substrates such as metal, cemboard and plasterboard, and for industrial areas, laboratories and environments exposed to chemicals.

In compliance with EUROPEAN standard EN 12004:2017 R2T Cementitious adhesive for ceramic tiles

CLASSIFICATION · CERTIFICATION

EN 12004-1:2017
R2T — reaction-resin adhesive, improved adhesion, slip resistance

QUICK SPECIFICATIONS

PACKAGING	5.2kg/set
COLOUR	White
SHELF LIFE	12 months (unopened container)
MIXING RATIO	A : B = 3 : 1
COVERAGE	~1.8kg/m² per 1mm thickness
POT LIFE	15 minutes at 35°C · 30 minutes at 25°C
SUBSTRATE TEMPERATURE	5 - 35°C
ADJUSTING TIME	05 minutes
RECOMMENDED THICKNESS	1 - 10mm
GROUTING TIME	Wall: after 06 hours Floor: after 24 hours
SET TO FOOT TRAFFIC	24 hours
READY TO USE	07 days



FEATURED PROJECT
BW Dong An 2

APPLICATIONS

- **Finishing materials:** ceramic tiles, porcelain tiles and natural stone
- **Maximum tile load:** 60kg/m² · For optimal adhesion, apply an additional thin layer of adhesive to the back of the tile or stone
- **Suitable substrates:** concrete, cementitious screed and plaster surfaces, cemboard, existing tiled surfaces, waterproofed surfaces, metal surfaces

APPLICATION AREAS & TILE SIZES (cm × cm)

Application area	Interior	Exterior (covered)	Exterior (uncovered)
Floor tiling	80 × 160	80 × 160	–
Wall tiling (max height 3m)	80 × 160	80 × 80	–
Wall tiling (max height 6m)	80 × 160	80 × 80	–
Walls above 6m height	CONTACT TECHNICAL DEPARTMENT		
Tile-on-tile installation	60 × 60	CONTACT TECHNICAL DEPARTMENT	
Swimming pools	60 × 60		
Potable water tanks	60 × 60		
Cemboard	60 × 60		
Cementitious / acrylic / PU waterproofed surface	60 × 60	60 × 60	60 × 60

TECHNICAL DATA

Property	Standard	Requirement	Result
Shear adhesion strength	TCVN 7899-2:2008 EN 12004-2:2017	≥ 2.0MPa	≥ 4.0MPa
Shear adhesion strength after water immersion			≥ 4.0MPa
Shear adhesion strength after thermal shock			≥ 3.0MPa
Adhesion strength after 20-minute open time		≥ 0.5MPa	Pass
Slip		≤ 0.5mm	

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

SAFETY INFORMATION

- **Skin and eyes:** this product contains epoxy resin and hardener, which may cause skin or eye irritation and allergic reactions in sensitive individuals; prolonged skin contact may cause dermatitis or sensitisation, and the adhesive or its vapour may cause severe eye 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

- Always carry out a trial application on a small area to verify adhesion and compatibility between the adhesive, the tile or stone and the substrate under actual site conditions before proceeding to full-scale work
- Do not use outside the recommended temperature range or on substrates subject to continuous heavy vibration
- Do not mix with admixtures, catalysts or any other product beyond these instructions — doing so alters the technical characteristics and voids the manufacturer's undertakings
- Observe the stated open time, adjusting time and grouting waiting time; do not place the work into service earlier than recommended
- 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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