

BuMaFLEX

PREMIUM FLEXIBLE TILE ADHESIVE
VIBRATION RESISTANT

PRODUCT DESCRIPTION

BuMaFLEX is a premium cementitious tile adhesive with a high polymer content. It is deformable and has an extended open time, making it suitable for exterior work, for large-format tiles and for areas subject to vibration. Classified C2TES1 to TCVN 7899-1:2008 and EN 12004-1:2017; meets and exceeds ANSI 118.15 and is certified free of volatile organic compounds.

In compliance with EUROPEAN standard EN 12004:2017 C2TES1 Cementitious adhesive for ceramic tiles

LOW VOC

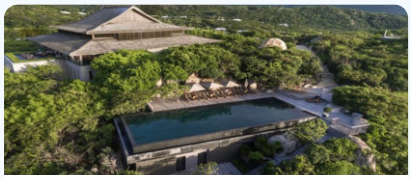
CLASSIFICATION · CERTIFICATION

EN 12004-1:2017
C2TES1 — improved adhesion, slip resistance, extended open time, transverse deformation

EPD INTERNATIONAL EPD SYSTEM
EPD-IES-0028309
ISO 14025 · EN 15804

QUICK SPECIFICATIONS

PACKAGING	25kg/bag
COLOUR	Grey / White
SHELF LIFE	12 months (unopened bag)
WATER MIXING RATIO	6.25 - 6.75L per 25kg bag
COVERAGE	~1.15kg/m² per 1mm thickness
POT LIFE	08 hours at 35°C
SUBSTRATE TEMPERATURE	5 - 35°C
ADJUSTING TIME	20 minutes
RECOMMENDED THICKNESS	2 - 15mm
GROUTING TIME	Wall: after 06 hours Floor: after 24 hours
SET TO FOOT TRAFFIC	24 hours
READY TO USE	07 days



FEATURED PROJECT
Amanoi Resort

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

APPLICATION AREAS & TILE SIZES (cm × cm)

Application area	Interior	Exterior (covered)	Exterior (uncovered)
Floor tiling	100 × 300	100 × 300	100 × 300
Wall tiling (max height 3m)	100 × 300	90 × 180	90 × 180
Wall tiling (max height 6m)	100 × 300	90 × 180	80 × 160
Walls above 6m height	CONTACT TECHNICAL DEPARTMENT		
Tile-on-tile installation	60 × 120	CONTACT TECHNICAL DEPARTMENT	
Swimming pools	40 × 80		
Potable water tanks	80 × 80		
Cemboard	80 × 80		
Cementitious / acrylic / PU waterproofed surface	80 × 80	80 × 80	80 × 80

TECHNICAL DATA

Property	Standard	Requirement	Result
Adhesion strength after 28 days	TCVN 7899-2:2008 EN 12004-2:2017	≥ 1.0MPa	≥ 2.0MPa
Adhesion strength after water immersion			≥ 2.0MPa
Adhesion strength after heat aging			≥ 1.5MPa
Adhesion strength after freeze-thaw cycles			≥ 1.2MPa
Adhesion strength after 30-minute open time		≥ 0.5MPa	Pass
Slip		≤ 0.5mm	
Transverse deformation		2.5mm ≤ S ≤ 5.0mm	
Shear adhesion strength to porcelain tile	ANSI A118.4	≥ 1.38MPa	
Alkali resistance	–	–	Very good
Oil resistance (poor with vegetable oils)			Very good
Solvent resistance			Very good
Volatile organic compound (VOC) content	USEPA Method 24	≤ 65g/l	0g/l

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

SAFETY INFORMATION

- **Skin and eyes:** this product contains cement and is alkaline; it may cause skin irritation, mild burns or an allergic reaction in sensitive individuals. Cement, whether dry or wet, can cause serious eye injury
- **Eye contact:** rinse immediately under gently running clean water for 10 - 15 minutes without rubbing; seek medical attention if irritation persists
- **Protective equipment:** Gloves · Safety goggles · Dust mask (when mixing or cutting tiles) · Protective clothing
- **Working environment:** work in a well-ventilated area; avoid confined spaces and keep children and pets away; avoid inhaling cement dust when mixing dry material
- **Surplus material:** reseal the bag after use to prevent moisture uptake; do not discharge into drains — allow to harden and dispose of as construction waste
- 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, on substrates subject to heavy vibration, or in permanently submerged areas without written technical advice from BUMATECH
- Do not mix with admixtures, cement, sand 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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BuMaFLEX
BROCHURE TILE ADHESIVE
COMPANY PROFILE BUMATECH

