

BuMaLATEX

MULTI-PURPOSE LATEX ADMIXTURE FOR TILE ADHESIVES AND CEMENTITIOUS MORTARS

PRODUCT DESCRIPTION

BuMaLATEX is a modified styrene butadiene emulsion admixture that can be diluted with water on site and then mixed with pre-blended mortar or with site-batched Portland cement and sand to produce screeds and renders, waterproofing mortars, tile-fixing mortars, or repair mortars for damaged concrete. Portland cement mortar gauged with BuMaLATEX solution develops superior mechanical properties and may be used internally, externally, or as a screed or render in permanently submerged areas. The product is certified free of volatile organic compounds.

In compliance with ASTM standard ASTM C1059 TYPE I — LATEX AGENT FOR BONDING FRESH TO HARDENED CONCRETE

LOW VOC



ILLUSTRATIVE IMAGE Gauging BuMaLATEX as a bonding slurry before rendering a concrete wall



ILLUSTRATIVE IMAGE Concrete wall rendered with a latex-gauged water-resistant mortar

USES

- Mixed with cement as a bonding slurry between mortar and a concrete substrate
- Mixed with cement–sand mortar to produce a water-resistant mortar
- Mixed with cement–sand mortar for water-resistant rendering and patch repair mortar
- Mixed with BuMaGREEN tile adhesive to upgrade the adhesive for tiling and stone in exterior areas, water tanks and swimming pools

MIXING RATIO

Component	Bonding slurry	Water-resistant mortar	Tile adhesive
BuMaLATEX	1kg	10kg	1.5kg
Water	1kg	30 litres	4.5kg
Cement	4kg	50kg	–
Sand	–	06 buckets of 18L	–
BuMaGREEN tile adhesive	–	–	25kg

TECHNICAL DATA AS A BONDING SLURRY AND WATER-RESISTANT MORTAR

Property	Standard	Requirement	Result
Slant shear bond strength	ASTM C1059/C1059M-21	≥ 2.8MPa	Pass

TECHNICAL DATA WHEN MIXED WITH BUMAGREEN

Property	Standard	Requirement	Result
Adhesion strength under standard conditions after 28 days	TCVN 7899-2:2008 EN 12004-2:2017	≥ 1.0MPa	≥ 2.0MPa
Adhesion strength after water immersion			≥ 1.5MPa
Adhesion strength after heat aging			≥ 1.5MPa
Adhesion strength after freeze-thaw cycles			≥ 1.2MPa
Adhesion strength at an open time of 20 minutes		≥ 0.5MPa	Pass
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

QUICK SPECIFICATIONS

PACKAGING	05kg/pail and 20kg/pail
COLOUR	Milky white
SPECIFIC GRAVITY	1.01 ± 0.01
COVERAGE	Bonding slurry: 1kg / 4m² Latex mortar: 1.5kg / 15mm of mortar Tile adhesive: 1.5kg per 25kg bag
POT LIFE	Bonding slurry: 30 minutes Latex mortar: 45 - 60 minutes Tile adhesive: 45 minutes
SHELF LIFE	24 months (unopened container)
STORAGE CONDITIONS	Cool, dry and shaded place

SAFETY INFORMATION

- **Skin and eyes:** a water-based polymer emulsion (styrene butadiene latex) that may cause mild to moderate irritation on prolonged contact; sensitive individuals may develop a skin allergy; contact with the eyes causes temporary stinging and redness
- **Eye contact:** rinse immediately under gently running clean water for at least 10 - 15 minutes without rubbing; seek medical attention if irritation persists
- **Protective equipment:** Gloves during mixing and application · Safety goggles where there is a risk of splashing · Suitable protective clothing
- **Working environment:** work in a well-ventilated area; avoid inhaling vapour or mist when spraying; do not apply in unventilated confined spaces; clean up spills to avoid slip hazards
- **Storage:** keep containers tightly closed in a dry place away from direct sunlight, high temperature and frost; do not discharge surplus product into drains — collect and dispose of in accordance with environmental 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 before full-scale use, to assess adhesion, compatibility and the actual site conditions of the material system
- Do not use outside the recommended range — very low or very high temperatures, substrates subject to strong vibration, or permanently submerged areas — without specific technical guidance
- Do not mix with admixtures, cement, sand or other materials outside the manufacturer's instructions; doing so may cause delamination, reduce adhesion and impair the waterproofing performance of the system
- Observe the stated working time, open time, waiting time and curing conditions strictly; avoid mechanical loading before the material has developed adequate strength
- 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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