


# BuMaLASTIC

HIGH-ELASTICITY WATERPROOFING
TWO-COMPONENT, CEMENTITIOUS

## PRODUCT DESCRIPTION

BuMaLASTIC is an enhanced cementitious waterproofing system with a high polymer content, designed at an optimised 1:1.5 (liquid:powder) ratio to produce a membrane of outstanding elasticity after curing. Its high extensibility makes the product particularly effective at accommodating micro-movement and limiting hairline cracking on concrete and masonry surfaces. The finished coating is dense, strongly bonded and highly resistant to water and moisture, and is free of volatile organic compounds (VOC), making it safe for applicators and the environment.

CLASSIFICATION · CERTIFICATION
EN 14891 CMP
EN 1504-2 (C) PI-MC-PR

EPD-IES-0028317
ISO 14025 · EN 15804



ILLUSTRATIVE IMAGE Applying BuMaLASTIC high-elasticity waterproofing to a roof slab



ILLUSTRATIVE IMAGE Flat roof and gutters coated with a high-elasticity waterproofing membrane

## USES

- Waterproofing of external walls and basement walls
- Waterproofing of potable water tanks
- Waterproofing of kitchens and sanitary rooms
- Waterproofing of balconies and planters
- Waterproofing of swimming pools and water features
- Waterproofing of precast wall panels
- Waterproofing of flat concrete roofs and gutters
- Waterproofing of metal roofs and profiled sheet roofs
- Protects concrete surfaces in marine environments or environments containing sodium or calcium chloride or sodium sulphate salts

## SUITABLE SUBSTRATES

- Cement-rendered walls
- Cement screeded floors
- Existing tile and stone surfaces
- Cement board
- Concrete

## TECHNICAL DATA

| Property | Standard | Result |
|---|---|---|
| Adhesion strength under standard conditions | BS EN 14891:2017 | ≥ 1.2MPa |
| Adhesion strength after water contact | | ≥ 1.0MPa |
| Adhesion strength after heat aging | | ≥ 1.2MPa |
| Adhesion strength after contact with lime water | | ≥ 0.8MPa |
| Adhesion strength after contact with chlorinated water | | ≥ 0.8MPa |
| Watertightness (150kPa water pressure for 7 days) | | No penetration |
| Crack bridging ability | | ≥ 1.2mm |
| Crack bridging ability when used with BuMaMESH 70 / BuMaMESH 150 | | ≥ 2.0mm |
| Elongation at break after 28 days | ASTM D412-16(2021) | 230% ± 23% |
| Maximum tensile strength | | ≥ 1.4MPa |
| Shore A hardness | ASTM D2240-15 | ≥ 55 |

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 | 7.5kg set (A+B supplied in one pail)<br>20kg set (A+B supplied in one pail)<br>25kg set (A: 10kg · B: 15kg) |
| COLOUR | A: Milky white liquid · B: Grey powder<br>Mixed product: Grey |
| SHELF LIFE | 24 months (unopened container) |
| POT LIFE | 01 hour at 35°C, RH ≥ 60% |
| COVERAGE | 1.0 - 1.5kg/m²: external walls and sanitary areas<br>2.0 - 3.0kg/m²: basement walls, swimming pools and roofs |
| WAITING TIME BETWEEN COATS | 30 - 60 minutes (or longer depending on site conditions; touch dry) |
| WAITING TIME BEFORE WATER TESTING | 3 - 7 days (depending on project requirements) |
| WAITING TIME BEFORE SCREEDING OR TILING | Minimum 7 days |

## 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

- Ensure the substrate is clean and sound; mix the two components at the correct ratio and stir until the mix is fully uniform
- Where tiles are fixed directly onto the waterproofing layer, use a class C2 or higher tile adhesive — refer to the BUMA-TA product line of BUMATECH
- Do not mix the product with cement or other admixtures without the manufacturer's instructions; avoid application in strong direct sunlight or at temperatures below 15°C
- Use tools appropriate to each area: spray equipment, roller, brush or trowel
- 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

**BUMATECH CO., LTD**

Head Office: 154/1/5 Cong Lo, Tan Son Ward, Ho Chi Minh City
Office: 91 Hoang Bat Dat, Tan Son Ward, Ho Chi Minh City
Factory: 820 Ap Chanh, Duc Lap Commune, Tay Ninh Province

TECHNICAL 0979 793 804
SALES 0914 765 778
bumagreen@bumatech.com.vn
www.bumatech.vn

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BROCHURE WATERPROOFING
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