

FLEX WP 2K

FLEXIBLE WATERPROOFING
TWO-COMPONENT, CEMENTITIOUS

PRODUCT DESCRIPTION

FLEX WP 2K is a two-component cementitious polymer waterproofing system, formulated at a 1:3 (liquid:powder) ratio to provide a stable coating with high hardness and good abrasion resistance after curing. It delivers durable protection for concrete and masonry against water and moisture ingress, while maintaining adequate flexibility for standard applications. With its high cement content, FLEX WP 2K offers a cost-efficient solution for typical waterproofing works, and is VOC-free for safe use.

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

USES

- Waterproofing of 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

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	≥ 1.4MPa
Adhesion strength after water contact		≥ 1.0MPa
Adhesion strength after heat aging		≥ 1.4MPa
Adhesion strength after contact with lime water		≥ 1.2MPa
Adhesion strength after contact with chlorinated water		≥ 1.2MPa
Watertightness (150kPa water pressure for 7 days)		No penetration
Crack bridging ability		≥ 0.75mm
Crack bridging ability when used with BuMaMESH 70 / BuMaMESH 150		≥ 1.0mm
Elongation at break after 28 days	ASTM D412-16(2021)	30% ± 10%
Maximum tensile strength		≥ 1.5MPa
Shore A hardness	ASTM D2240-15	≥ 80

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	8.0kg set (A+B supplied in one pail) 20kg set (A+B supplied in one pail) 33.5kg set (A: 8.5kg · B: 25kg)
COLOUR	A: Milky white liquid · B: Grey powder Mixed product: Grey
SHELF LIFE	24 months (unopened container)
POT LIFE	45 minutes at 35°C, RH ≥ 60%
COVERAGE	1.5 - 2.0kg/m²: balconies, kitchens and sanitary rooms 2.5 - 3.5kg/m²: basement walls, swimming pools, roofs
WAITING TIME BETWEEN COATS	20 - 40 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



ILLUSTRATIVE IMAGE Applying FLEX WP 2K flexible waterproofing to a balcony floor



ILLUSTRATIVE IMAGE Swimming pool and planters protected by flexible waterproofing

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

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