

PROOF 668

HIGH-ELASTICITY WATERPROOFING ACRYLIC-BASED, FOR ROOF DECKS

PRODUCT DESCRIPTION

PROOF 668 is a one-component acrylic waterproofing coating that cures to a continuous membrane, enhanced with advanced UV-resistant and anti-ageing additives. Once dry, the product forms a waterproofing membrane of high elasticity with excellent crack-bridging ability, which remains stable under prolonged weather exposure. The coating effectively protects concrete and masonry against water ingress and limits weathering and structural degradation caused by wet–dry cycling and UV radiation. Thanks to its outstanding ultraviolet resistance, PROOF 668 can be used on exposed surfaces without an additional protective layer while maintaining colour stability and long-term performance.

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

EPD-IES-0028329
ISO 14025 · EN 15804



ILLUSTRATIVE IMAGE Applying PROOF 668 to waterproof an exposed roof deck



ILLUSTRATIVE IMAGE Roof terrace finished with an elastic waterproofing membrane

USES

- Waterproofing of external walls, façades and basement walls
- Waterproofing of concrete roofs, roof terraces and gutters
- Waterproofing of balconies, planters and landscaped areas
- Waterproofing of potable water tanks, swimming pools and water features
- Refurbishment of existing surfaces and previously painted walls
- Protects precast concrete elements and wall panels
- Protects concrete in marine environments and environments containing aggressive ions (chloride, sulphate)
- Suitable for exposed surfaces subject to weathering and UV radiation

SUITABLE SUBSTRATES

- Concrete (cast in-situ or precast)
- Cement–sand mortar and finishing render
- Brick and concrete block walls
- Concrete panels and precast elements
- Sound cementitious surfaces free of dust and contaminants
- Existing cementitious or acrylic coatings that remain well bonded
- Metal roofs

TECHNICAL DATA

Property	Standard	Result at a coverage of	
		0.6 - 0.9kg/m²	≥ 2.0kg/m²
Adhesion strength to concrete after 28 days	ASTM D7234-21	≥ 1.2MPa	
Adhesion strength after 28 days of heat aging		≥ 2.5MPa	
Maximum tensile strength	ASTM D412-16(2021)	≥ 2.5MPa	
Elongation at break after 28 days		200% ± 20%	350% ± 35%
Watertightness (150kPa water pressure for 7 days)	BS EN 14891:2017	No penetration	
Crack bridging ability		≥ 3.5mm	≥ 5.0mm

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	White, grey and custom colours on request
SHELF LIFE	24 months (unopened container)
COVERAGE	0.6 - 0.9kg/m²: external walls 1.2 - 2.0kg/m²: metal roofs 2.4 - 3.0kg/m²: concrete roofs
WAITING TIME BETWEEN COATS	20 - 45 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:** the product is alkaline and, in contact with perspiration or body fluids, may cause skin irritation or an allergic reaction in sensitive individuals; it may cause serious eye damage on direct contact
- **Eye contact:** rinse immediately under gently running clean water for 10 - 15 minutes without rubbing; if stinging persists, go to the nearest medical facility
- **Protective equipment:** Gloves · Safety goggles and dust mask (when mixing the product or dry-grinding the substrate) · Protective clothing
- **Working environment:** work in a well-ventilated area; avoid confined spaces, children and pets; avoid inhaling dust when preparing the substrate by dry grinding
- **Surplus material:** reseal the container after use for best storage; do not discharge into drains — allow to dry 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

- DO NOT use over movement joints, structural cracks or locations with differential vertical displacement; DO NOT use over cracks wider than 1.0mm
- DO NOT apply at more than 0.5kg/m² per coat; DO NOT apply when the substrate moisture content exceeds 6% or the surface temperature is below dew point + 3°C
- DO NOT use in locations subject to negative hydrostatic pressure or high rates of moisture vapour transmission; DO NOT apply directly to lightweight concrete (AAC panels, AAC blocks and similar)
- 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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