

SEALCOAT ELASTIC PRO

Polymer Modified Flexible Cementitious Waterproofing Slurry

Description

SEALCOAT ELASTIC PRO is a two-component, polymer-modified flexible cementitious waterproofing system designed to protect concrete and masonry substrates against water ingress. The cured membrane forms a durable, flexible, and impermeable barrier with excellent adhesion and crack-bridging capability.

Uses

- Bathrooms and wet areas
- Kitchens and balconies
- Planter boxes
- Retaining walls
- Concrete gutters
- Water tanks and reservoirs
- Basements and below-grade structures
- External waterproofing systems

Advantage

- Flexible and crack-bridging membrane
- Excellent adhesion to concrete and masonry
- Waterproof under positive water pressure
- Breathable (vapor permeable)
- Non-toxic and suitable for potable water contact
- Easy brush, roller or spray application
- Seamless and joint-free system
- Suitable for internal and external use

Compliance & Standards

Tested in accordance with international standards:

- EN 14891 – Liquid applied waterproofing for use beneath tiles
- EN 1062-3 – Capillary water absorption
- EN 12390-8 – Water penetration under pressure
- EN 1542 – Pull-off adhesion strength
- ASTM D4068 / ASTM E96 – Water vapor transmission
- ASTM C836 (Reference) – Elastomeric waterproofing performance

Product Information

Appearance	Grey slurry
Mix Ratio	Pre-packed (A:B)
Density (mixed)	~1.6 – 1.8 g/cm ³
Pot Life	30 – 45 minutes
Application Temperature	+5°C to +35°C

Technical Properties

Waterproofing Performance

Property	Result	Standard
Water Penetration	No penetration at 1.5 bar	EN 14891
Water Penetration Depth	< 10 mm	EN 12390-8
Capillary Absorption (w-value)	$\leq 0.1 \text{ kg/m}^2 \cdot \text{h}^{0.5}$	EN 1062-3

Mechanical Properties

Property	Result	Standard
Adhesion Strength	$\geq 1.0 \text{ N/mm}^2$	EN 1542
Crack Bridging	$\geq 0.75 \text{ mm}$	EN 14891
Tensile Adhesion (after immersion)	$\geq 0.8 \text{ N/mm}^2$	EN 14891

Durability

Property	Result	Standard
Freeze-Thaw Resistance	Pass	EN 14891
Resistance to Positive Water Pressure	Excellent	EN 12390-8

Vapor Permeability

Property	Result	Standard
Water Vapor Transmission	~1.2 g/m ² /24h	ASTM E96
Vapor Permeability Class	Breathable	EN ISO 7783

Substrate Preparation

Substrates must be clean, sound, and free from dust, oil, grease, laitance, curing compounds, and loose particles.

Recommended preparation methods:

- High-pressure water jetting
- Mechanical grinding or blasting
- Surface repair prior to application

Pre-wet substrate to SSD (saturated surface dry) condition before application.

Mixing

- Stir liquid component (Part B)
- Slowly add powder component (Part A)
- Mix using low-speed mixer (400–600 rpm)
- Mix until homogeneous, lump-free slurry

Application

Method:

- Brush / roller / spray

System:

- Apply for a minimum of 2 coats
- Each coat: ~1.0 kg/m²

Total Consumption:

- 2.0 – 2.5 kg/m²

Interval:

- 2–6 hours between coats

Curing and Drying

- Initial set: 4–6 hours
- Full cure: 24–48 hours
- Protect from rain and direct sunlight during curing

Packaging

Part A (Powder) : 21.25 KG

Part B (Liquid) : 10.00 KG

TOTAL : 31.25 KG

Storage

- Store in dry, covered conditions
- Protect from moisture and frost

Shelf-life

12 months from the date of manufacture when stored in unopened original packaging under proper conditions. Once opened, the material should be used as soon as possible.

Limitation

- Do not apply on frozen or contaminated surfaces
- Not suitable for negative pressure unless specified
- Avoid application under direct rain
- Ensure proper curing before water exposure

Health & Safety

- Wear gloves, goggles, and protective clothing
- Avoid skin and eye contact
- Refer to Safety Data Sheet (SDS) for full details

Certifications

- Potable water approval (SPAN)
- Green Building compatibility

Additional Information

Topkrete manufactures and offers a wide range of complementary products which includes waterstops, waterproofing products, grouts, anchors, specialized flooring products. In addition, a wide range of products formulated for repair and refurbishment of spelled concrete are available.

Warranty

Topkrete Sdn Bhd warrants that the products manufactured by it shall be free from material defects and will conform to formulation standards and contain all components in their proper proportion. Should any of the products be proven defective, the liability to TOPKRETE SDN BHD shall be limited to replacement of the material proven to be defective, and TOPKRETE SDN BHD shall in no case be liable otherwise or for incidental or consequential damages. **TOPKRETE SDN BHD MAKES NO WARRANTY AS TO MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE AND THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES EXPRESSED OR IMPLIED.** User shall determine the suitability of the product for its intended use and assume all risks and liability in connection therewith.

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