

TOPKRETE SEALCOAT 280

High-Performance Two-Component Polymer Modified Cementitious Waterproofing Coating

Description

TOPKRETE SEALCOAT 280 is a high-performance, two-component acrylic polymer modified cementitious waterproofing coating designed to protect concrete and masonry substrates against water ingress.

It forms a **flexible, durable, and impermeable barrier**, capable of withstanding hydrostatic pressure while allowing substrate breathability.

Uses / Applications

Suitable for waterproofing and protection of:

- Bathrooms and wet areas
- Water tanks and reservoirs (potable & non-potable)
- Swimming pools
- Terraces, balconies, and roofs
- Retaining walls and basements
- Concrete gutters and planter boxes
- Lift pits and underground structures

Advantage

- Two-component system for controlled performance
- Excellent adhesion to concrete and masonry
- High resistance to positive water pressure
- Crack-bridging capability
- Vapor permeable (breathable system)
- Non-toxic after curing (suitable for water-retaining structures)
- Good resistance to carbonation and chlorides
- Easy brush or spray application
- Suitable for internal and external applications

Product Information

Property	Value
Form	Powder (Par B) + Liquid Polymer (Par A)
Colour	Grey / White (customizable)
Density (Mixed)	~1.9 – 2.1 kg/L

Mixing Ratio	Pre-packed units (A:B = 1 : 2.5 approx.)
Pot Life	30 – 45 minutes @ 25°C

Technical Performance

Mechanical Properties

Property	Test Standard	Result
Compressive Strength	ASTM C109	≥35 – 40 N/mm ²
Tensile Adhesion Strength	EN 1542	≥1.0 N/mm ²
Flexural Strength	ASTM C348	≥6.0 N/mm ²

Waterproofing Performance

Property	Test Standard	Result
Water Penetration Resistance	EN 12390-8	No penetration at 7 bar (168 hrs)
Water Penetration Depth	DIN 1048	≤3 mm
Capillary Absorption	EN 1062-3	≤0.05 kg/m ² •h ^{0.5} (Class W3)
Water Permeability	EN 1062-3	Class W3 – Very Low
Hydrostatic Pressure Resistance	ASTM D5385	≥0.7 MPa (≈7 bar)
Water Penetration Resistance	EN 12390-8	No penetration at 7 bar (168 hrs)

Durability & Protection

Property	Test Standard	Result
Crack Bridging	EN 14891	Class A3 (≥1.25 mm)
Carbonation Resistance	EN 1062-6	Sd > 50 m
Resistance to Water Immersion	EN 14891	Pass
Freeze-Thaw Resistance	ASTM C666	Good

Consumption

Application	Consumption
2-Coat Waterproofing	1.5 – 2.0 kg/m ²
Heavy Duty / Tank	2.0 – 3.0 kg/m ²

Application Instruction

Surface Preparation

- Substrate must be sound, clean, and free from contamination
- Remove laitance, oil, grease, and loose particles
- Repair cracks and honeycombs prior to application

Substrate Condition

- Pre-wet surface thoroughly
- Surface should be SSD (Saturated Surface Dry) condition

Mixing

- Mix Part A (liquid) with Part B (powder)
- Use mechanical mixer at low speed (\leq 600 rpm)
- Mix for 3–5 minutes until homogeneous

Application

- Apply using brush, roller, or spray
- First coat applied evenly
- Second coat applied perpendicular to first coat
- Minimum 2 coats required

Application Temperature

- +5°C to +35°C

Curing

- Allow 4–6 hours between coats
- Full curing: 3–5 days
- Protect from rain and direct sunlight during curing

Packaging

Component	Size
Part A (Liquid)	10 kg
Part B (Powder)	25 kg
Total Set	35 kg

Shelf Life

- 12 months in unopened packaging
- Store in dry, shaded conditions
- Protect from moisture and frost

Compliance & Standards

- EN 1504-2 – Surface Protection System for Concrete
- EN 14891 – Liquid Applied Waterproofing
- EN 12390-8 – Water Penetration under Pressure
- ASTM C109 / D5385
- Suitable for potable water contact (BS 6920 – upon request)

System Build-Up

1. Substrate preparation
2. Primer (if required)
3. TOPKRETE SEALCOAT 280 – 2 to 3 coats
4. Protective screed / tile finish (if required)

System Build-Up

- Do not apply on frozen or contaminated surfaces
- Not designed for negative pressure (unless system specified)
- Avoid application under heavy rain or strong wind

Technical Support

TOPKRETE offers a comprehensive range of high performance, quality products. TOPKRETE offers a technical support package to specifiers and contractors which include assistance with product selection and technical advice from staff with unrivalled experience in the industry.

Health & Safety

- Product is alkaline – avoid skin contact
- Wear gloves, goggles, and protective clothing
- Refer to SDS for full safety details

Additional Information

Topkrete manufacturers and offers a wide range of complementary products which includes waterstop, 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.

Important note

Topkrete products are guaranteed against defective materials and manufacture and are sold subject to its standard Terms and Conditions of Sale, copies of which may be obtained on request. Whilst Topkrete endeavors to ensure that any advice, recommendation, specification or information it may give is accurate and correct, it shall not, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products, whether or not in accordance with any advice, specification, recommendation or information given by it.

Topkrete Sdn Bhd (597943-M)

Office : 19-G, Blok A, Jalan Atmosphere 3,
Pusat Perniagaan Atmosphere,
Bandar Putra Permai,
43300 Seri Kembangan,
Selangor Darul Ehsan. Malaysia
Tel: +603- 8957 8999 Fax: +603-8959 1661
Email: info@topkrete.com
www.topkrete.com

Factory : No.3, Jalan Utama 1/12,
Taman Perindustrian Puchong Utama,
47100 Puchong,
Selangor Darul Ehsan. Malaysia.
Tel : +603-80631883 Fax: +603-80631983