



Product Information Sheet ^{v2}

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Product Description

SEALCRETE is a 2-component cementitious waterproofing system that is specially formulated to protect concrete surfaces against water penetration. SEALCRETE is comprised of premium cement-based powder and high-grade polymer liquid solution for enhanced flexibility and adhesion.

Typical Applications

- Bathrooms
- Kitchens
- Balconies
- Roof decks
- Swimming pools
- Fire walls
- Water Tanks

Location

- Above or Below-grade structures
- Interior or Exterior Surfaces
- Vertical or Horizontal Applications

Advantages

- ☑ Excellent flexibility – can bridge across hairline cracks
- ☑ Strong Adhesion – bonds to both porous and non-porous surfaces
- ☑ Non-Toxic – solvent-free and odorless
- ☑ Easy to Use – can be applied by brush
- ☑ Economical – more cost effective than hot-applied waterproofing products

Surface Preparation

- The surface should be free of contaminants such as dust, chalk, mildew and grease. For previously painted surfaces, make sure to remove the old paint and coating as this may affect the adhesion of SEALCRETE to the surface. Detergent washing and abrasive blasting are some of the effective methods in removing such contaminants.
- Weak joints, cracks, holes and other surface defects should be properly filled and repaired before applying SEALCRETE.

Mixing

1. Prepare a clean non-absorptive (i.e. plastic) container for mixing.
2. Shake the Component A (liquid component) very well.
3. Add Component B (powder component) to component A.
4. Mix the two components until a smooth consistency is achieved.

*For prime consistency, use a portable mechanical mixer.

Application Procedure

SEALCRETE may be applied using any of the following: brush, roller, or trowel.

1. Dampen the surface with clean water before applying SEALCRETE. The surface should remain damp throughout the application to avoid premature drying. However, do NOT saturate the substrate.
2. Apply 2-3 layers of SEALCRETE to achieve 1 mm thickness. Apply the first coat in an even, continuous layer, stroking in one direction only. Once the previous layer has sufficiently hardened, apply a second layer stroking crosswise or perpendicular to the previous layer.
3. In active construction sites, protect the applied SEALCRETE from contaminants and damage during construction with a plastic sheet or alternative.
4. Attach the concrete topping and/or protection board after the applied SEALCRETE has cured for 3 days. Allow to cure further for at least 7 to 10 days before exposing it to water.

For trowel applications: Trowel on first layer to completely cover the surface. Then, apply second layer and steel trowel to a smooth finish.

NOTE:

- o If application is exposed to intense sunlight, work against the movement of the sun.
- o Do not expose application to water during setting time.
- o Expect prolonged hardening time in areas of high humidity.

Shelf Life: If stored in an unopened and undamaged packaging, shelf life is 12 months.

Coverage Rate: 4 kg of SEALCRETE may cover approximately 2 m² for 2 layers of application. Actual coverage rate may vary depending on the texture and porosity of the substrate

Exposure of Application to:

- o rain: minimum 6 hours
- o tile mortar and tiles, backfilling: 3 days
- o hydrostatic pressure: 7 days

Physical & Technical Data

SEALCRETE:

Component A: White Liquid

Component B: Gray Powder

SEALCRETE : wet mix

Pot Life: 2 to 3 hours

When applied on concrete:

Open Time: Approximately 1 hour

SEALCRETE: hardened

Water Vapor Diffusion: ~ 1.92 perms

Crack over bridging: 0.75 mm

Water impermeability (7d SC) at 1.5 bars: no leakage

Tensile Adhesion Strength:

14 d SC	1.5 N/mm ²
28 d SC	1.45 N/mm ²
7d SC + 21d H ₂ O	1.0 N/mm ²
14d SC + 14d 70°C + 1d SC	1.85 N/mm ²