

Betec® Seal SC

Two compound, cementitious coating for waterproofing / damp-proofing of new and existing structure

Description

Betec® Seal SC Liquid used with Betec Seal SC Powder reacts with concrete by process to form a two-part, permanent, slightly flexible, Betec Seal SC waterproofing system.

Betec Seal SC Liquid being a milky white, carboxylised styrene butadiene latex liquid, is used with Betec Seal SC Powder to improve workability on the mix in order to achieve optimum adhesion to the substrate, to improve elasticity and control shrinkage on setting, to avoid early water loss during the setting process, and to avoid salt efflorescence and increase abrasion resistance.

Advantages

- Resists both positive and negative pressure
- Easy application, fast mixing by paddles
- Low water absorption and good water resistance
- Good adhesion to correctly prepared concrete, masonry and rendered substrates

Typical Applications

- Rigid basement walls and floors
- Bathroom, balcony, wet area and planter box
- Lift pits
- Concrete tanks
- Concrete water-retaining structures
- Stairs
- Monolithic concrete planter boxes

Mixing

- Pre-stir the Betec Seal SC Liquid before mixing.
- Always add the Betec Seal SC Powder to the Betec Seal SC Liquid. The mixing time is approximately 2 – 3 minutes.
- DO NOT USE PART MIXES. DO NOT ADD EXTRA WATER, CEMENT, SAND OR OTHER MATERIALS TO BETEC SEAL SC.

Application

- The surface before waterproofing must be sound, clean and free from irregularities, sharp projections, loose particles, oil and contaminants. Brick and masonry surfaces shall be smooth and joints shall be filled with cement filler.
- Betec Seal SC is applied in two coats using brush or trowel. Apply the first layer only horizontally, and then apply the second layer only vertically. Alternate the direction for subsequent coats.
- Leave each coat to harden (6 to 24 hours depending on climatic conditions), then apply subsequent coats at the same thickness / consumption rate as the first. Avoid damaging the first coat during application of the second coat.
- Clean all brushes, rollers, trays, mixing containers and surrounding areas with clean water before the product sets.

Physical Properties

Property	Typical Values
Open working time	3 hours
Compressive strength (3 days)	>7 N/mm ²
Adhesion strength	>5.0 N/mm ²
Water Vapour Transmission	0.0014 g/s.m ²

Coat Thickness and Consumption

Number Of Coats	Thickness Per Coat	Consumption Per Coat	Total Consumption Per m ²
2	0.5 mm	1 kg	2 kg

Above consumption figures assume a smooth surface and excludes allowance for wastage.

Supply

Product	Pack Size	Shelf Life
Betec Seal SC Powder	25 kg bag	12 months storage under dry, cool condition
Betec Seal Liquid	9 kg pail	

Health & Safety

In case of eye splashes or excessive skin contact, thoroughly flush with clean water. If ill effects occur, seek medical attention immediately.

Grace Technical Services

For assistance with working drawings for projects and additional technical advice, please contact Grace Technical Services.

Disclaimer

The use of this product is beyond the manufacturer's control and liability is restricted to the replacement of material proven faulty. The manufacturer is not responsible for any loss or damage arising from incorrect usage. Specifications are subjected to changes without prior notice.

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