

CONSEAL 100

Acrylic Elastomeric and Protective
Waterproof Coating for Concrete Structures



PRODUCT DESCRIPTION

Conseal 100 is designed for the protection of concrete structures against carbonation, atmospheric corrosive gases, wind driven rain, and water borne chlorides. The product is also suitable as a seamless, textured architectural finish and elastomeric waterproofing coating for timber, asbestos/fiber cement and zinc sheets, asphalt, built-up felt and tiles. Conseal 100 is not recommended for application in areas likely to be submerged in water and on floors subjected to traffic.

FEATURES

- Excellent color retention
- Easily applied by roller, brush or airless spray
- Water & weather proof performance
- Elastomeric - capable of bridging cracks.
- Excellent ultra violet light resistance
- Provides barrier against salts and atmospheric gases
- Protects concrete from waterborne salts.
- Fast application.
- Excellent adhesion and mold/fungus resistance
- High build coating for porous and uneven surfaces
- Improved hardness and flexibility
- Ability to Resist wind-driven rain.
- Helps prevent water penetration into the substrate
- Breathable membrane thus, allow water vapor to escape.
- Excellent elongation and recovery for durable performance over dynamic cracks.

APPLICATION AREA

- Conseal 100 is designed for sealing and waterproofing of roofs (flat and sloping), walls and other wet areas
- Waterproofing of bridges, commercial and industrial buildings, multi-story car parks.
- Marine environments
- Waterproofing a variety of substrates.

Coverage:

Theoretical coverage is 1.25 – 1.33kg/m² to achieve a DFT of 400 microns (applied in a minimum of two coats).

METHOD OF APPLICATION

Surface Preparation

- Adequate and detailed surface preparation is essential for durability of product after installation. The surface should be clean and sound and free of all bond-inhibiting contaminants
- Before application, surface must be clean, dry and without contamination.
- The compressive strength of concrete substrate must be at least 25Mpa and cohesive bond strength must not be less than 1.5MPa.
- The surface to be treated must be thoroughly cleaned. Remove all traces of formwork, release agent, grease, efflorescence, laitance, algae or other contaminant that may prevent proper adhesion.
- All loose concrete, chipings and dust should be removed, and uneven surface smoothed with the aid of grinding. Previous waterproofing treatments should be either completely removed or put in order.
- Cracked, broken, slipped or missing sheets, slates or other forms of covering must be replaced or refixed. Cracks should be filled and allowed to cure.

Priming

Prime Substrates surfaces like Concrete or cement screed with an acrylic/solvent-based Primer.

Product Application

Stir well before using for 2 - 3 mins. Apply the CONSEAL 100 onto the surface by roller or brush, until all surface is covered.

A minimum two coats of membrane are essential for good result. Apply coats at right angles to prior coat.

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TECHNICAL PROPERTIES

Packaging	20kg bucket	
Shelf life	12 months minimum from date of production if stored properly in original, unopened and undamaged sealed packaging.	
Appearance	Greyish Liquid	
Solid content by weight	>65 %	
Density	~1.35 g/cm ³	
Tensile strength	4N/mm ²	ASTM D 412
Bonding strength	>2N/mm ²	ASTM D 412
Permeability to Water Vapour	Nil penetration	ASTM E 96
Service temperature	-10 °C min. / +80 °C max. (with reinforcement) -5 °C min. / +80 °C max. (without reinforcement)	

APPLICATION INFORMATION

Cure Time at 25°C	Full cure after 5 – 7 days
Re-coat time	4 to 8hrs
Storage condition	Store in dry conditions in original packaging at temperatures between +5 °C and +30 °C. Protect from direct sunlight and frost
Ambient Air Temperature	+8 °C min. / +40 °C max.

STORAGE AND SHELF LIFE

Store in dry conditions in original packaging
at temperatures between +5 °C and +30 °C.

It has a shelf life of 12 months when stored in dry
place between +5 °C and +30 °C in their original,
unopened packs.

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STANDARD COMPLIANCE

Conforms to EN 1489-2007, ASTM D-968

HEALTH & SAFETY

- Please ensure that hand gloves and goggles are worn during installation
- Apply in ventilated areas, away from flames
- It is only important that during application and after application, standard safety procedures are done.
- Please consult current MSDS for product. For Professional Use only.

ADDITIONAL INFORMATION

Costarchem manufactures a complete range of construction chemical products which include:

- Concrete admixtures
- Waterproofing system
- Flooring system
- Cementitious and epoxy precision grouts
- Damp-proofing products
- Sealants and adhesives
- Repair and refurbishment systems

For more information on any of our products, please contact Costarchem global or regional office.

LEGAL NOTE

The information and recommendations relating to the application of Costarchem products, are given in good faith based on current knowledge and experience of the products when properly stored, handled and applied under normal conditions in accordance with the stated recommendations in the product datasheets. Whilst Costarchem endeavors to ensure that any advice, recommendation, specification of information it may give is accurate and correct, it cannot, 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 of information given by it. The user of the product must test the product's suitability for the intended application and purpose. Costarchem reserves the right to change the properties of its products. The proprietary rights of third parties must be observed. All orders are accepted subject to our current terms of sale and delivery. Users must always refer to the most recent issue of the local Product Data Sheet for the product concerned, copies of which will be supplied on request.