



# CONSEAL 100

Acrylic Elastomeric and Protective Waterproof Coating for Concrete Structures

## Description

Conseal 100 is a solvent free elastomeric coating designed for sealing and waterproofing of roofs, walls and other wet areas. The surface is a hard wearing, durable protective and waterproof coating. The coating also is designed for the protection of concrete structures against carbonation, chloride water ingress. The product is also suitable as a seamless, textured architectural finish and elastomeric waterproofing coating for timber, asbestos / fibre cement and zinc sheets, asphalt, built-up felt and tiles.

## 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.
- Waterproof - protects concrete from waterborne salts.
- Excellent adhesion and mold/fungus resistance
- High build coating for porous and uneven surfaces
- Improved hardness and flexibility

## Area of Use

- 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 storey car parks
- Marine environments
- Waterproofing a variety of substrates.

## Method of Application

### Surface Preparation

Adequate and detailed surface preparation is essential for durability of product after installation. 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.

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 tiles, sheets, slates or other forms of covering must be replaced or refixed.

Cracks in asphalt or built-up felt systems should be filled and allowed to cure.

### Product Application

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

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

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## Technical Information

Property	Test Method	Result
Hardness (Shore A Scale)	ASTM D 2240	60 shore A
Elongation at Break	ASTM D 412 / DIN 52455	≥ % 900
Tensile Strength	ASTM D 412 / DIN 52455	≥ 8 N/mm <sup>2</sup>
Water Vapor Permeability	ASTM E 96	0,8 gr/m <sup>2</sup> saat
Adhesion to Concrete	ASTM D 903	≥ 2N/mm <sup>2</sup>
Service Temperature		-40 °C to +80 °C
Rain Stability Time		1 hours(hot dry climates) 24 hours(humid conditions)
Final Curing Time		7 days
Rapid Chloride Permeability	AASHTO T2777	Very low
Pull off Strength	ASTM D4541	> 1N/mm <sup>2</sup>
Fire Testing	BS 476 part 6&7	Class 1

## Coverage

Theoretical coverage is 0.64Lt/m<sup>2</sup> to achieve a DFT of 400 microns (applied in a minimum of two coats). Minimum coverage: 0.30 litre / m<sup>2</sup> to achieve a DFT of 200 microns.

## Storage

All products should be stored in original packaging at temperatures between 5°C and 25°C. Protect products from all sources of heat, moisture, frost and direct sunlight. When opened product should be consumed immediately unless bucket can be sealed back without allowance for air. Shelf life for all products is 9 months maximum. CONSEAL 100 is packed in 10 and 20 liters

## Health and Safety

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

## Limited Warranty

All recommendations, statements and technical data herein are based on tests we believe to be reliable and correct, but accuracy and completeness of said tests are not guaranteed and are not to be construed as a warranty either expressed or implied. User shall rely on his or her own information and tests to determine suitability of the product for the intended use and user assumes all risk and liability resulting from his or her use of the product. Nothing contained in any supplied materials relieves the user of the obligation to read and follow the warnings and instruction for each product as set forth in the current Technical Data Sheet, product label and Safety Data Sheet prior to product use away.

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