



# W11 CEMSEAL

Acrylic polymer modified elastomeric cementitious waterproofing membrane coating for concrete and masonry surfaces

## PRODUCT DESCRIPTION

W11 CEMSEAL is a two component acrylic polymer modified elastomeric waterproofing membrane which consists of W11 CEMSEAL powder and W11 CEMSEAL liquid acrylic emulsion. It requires only the mix of above two in the proper proportions, an easily brush-able coating is produced. CEMSEAL can simply be applied by a stiff brush, or trowel to obtain the desired thickness.

W11 CEMSEAL powder consists of specially selected cements, graded hard-wearing aggregates and additives supplied in powder and CEMSEAL liquid component of blended acrylic copolymers. The polymer provides exceptional adhesion, toughness and durability.

## USES

CEMSEAL is two part (W11 CEMSEAL powder and W11 CEMSEAL liquid ) waterproof system which provides a seamless, waterproof coating suitable for use in basement wall, swimming pools, roofs and to ensure water tightness.

It effectively protects against concrete decay providing a long lasting barrier to waterborne corrosive salts and atmospheric gases. It effectively seals concrete masonry walls and bridges the shrinkage cracks which are static.

It provides a tough and durable coating which cannot be easily damaged or worn away.

## ADVANTAGES

Minimum surface preparation needed - Low labour costs.

Applied directly to the damp concrete and masonry

Excellent adhesion - Bonds to porous and nonporous surfaces.

Non-toxic waterproof

Excellent for damp-proofing basements

Breathable-allows transmission of water vapour from interior of building

Excellent for concrete roof, leaking brick and masonry walls

Good resistance to Carbon dioxide and Chloride ion diffusion

## PROPERTIES

Pot life	: 1 hour at 20 °C & 20 mins at 35 °C.
Mixed Density	: 1.60 kg/litre. (brushable consistency)
Tensile strength	: >1.5 N/mm <sup>2</sup> (at 1.5mm thickness)
Colours	: Grey powder and milky white liquid
Application temperature	: Not less than 10 °C



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## APPLICATION INSTRUCTIONS

### Surface preparation:

Surfaces which are to receive W11 CEMSEAL, must be free from oil, grease, wax, dirt or any other form of foreign matter which might affect adhesion. Spalled and deeply disintegrated concrete should be removed to sound concrete and repaired with our RC20 + W1 repair System.

W11 CEMSEAL provides an elastomeric protective waterproof coating and is shown to resist positive hydrostatic pressure up to 7 meter head. The degree of resistance to water under pressure depends on the coating thickness. Areas subjected to moderate and heavy loads/hydrostatic pressure. Minimum 2mm thickness coating is recommended with screed above.

**Mixing:** W11 CEMSEAL liquid is to be poured into a plastic or metal drum first, then add W11 CEMSEAL powder part gradually and mix properly by slow speed stirrer until the consistency of brushable application, avoid lump formation during mix.

**Mix time:** 2-4 minutes is enough. After mix, wait for 4-5 minutes to achieve brushable consistency, Mixed material must be used within pot life. Re-tempering with water should not be done. Keep on stirring during application.

**Mixing Ratio:** Liquid : Powder = 1 : 1.8

Mix the whole set of pack as that we provided as per our below packaging size

**Note:** Do not go for part mix which leads to change the waterproof property and de-bonding from substrate

## PACKAGING

Packing 1 (35kg set)	:	22.5 kg of Powder	+	12.5 kg of Liquid
Packing 2 (14kg set)	:	9 kg of Powder	+	5 kg of Liquid

## APPLICATION

For best results moisten the surface before coating with W11 CEMSEAL. Apply the mixed material using a short, stiff bristle brush preferably 100 to 150mm width like as paint.

Trowel applications can be undertaken as necessary using the correct mixing ratio to obtain satisfactory consistency. W11 CEMSEAL shall be applied in two coats to achieve 1mm thickness. The second coat shall be applied as soon as the first coat has reached to touch dry state.

On hot substrates, i.e., over 40 °C surface temperature, mixed W11 CEMSEAL slurry should be applied as primer. Prime only the areas that can be coated with CEMSEAL. Material should not be applied at temperatures below 10 °C.

It is recommended that for general re-surfacing the total thickness of the applied material be 1 to 2 mm. Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 2mm thickness coating is recommended with screed above.

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## CLEANING

W11 CEMSEAL should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

## COVERAGE

This depends on the required consistency. The approximate coverage per pack is as follows:  
For Brushable consistency application:

For 1 coat : 0.8kg /m<sup>2</sup>  
For 2 coat : 1.6 to 1.8 kg /m<sup>2</sup>

## STORAGE

W11 CEMSEAL has a shelf life of 6 months in unopened packs, if kept in a dry store. In high humidity locations, the shelf life may be reduced to less than 6 months. Prevent liquid part from freezing.

## HEALTH AND SAFETY INSTRUCTIONS

W11 CEMSEAL is non-toxic but it is alkaline in nature. Gloves and goggles should be worn. Any splashes to the skin or eyes should be washed off with clean water. In the event of prolonged irritation, must seek medical advice. Use dust mask while handling the powder.

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