



W11 CEMSEAL

Cementitious waterproofing coating for concrete and masonry surfaces

USES

Toilet, basement wall, swimming pools to ensure water tightness.

PRODUCT DESCRIPTION

W11 CEMSEAL is a 2-Parts polymer modified cementitious waterproofing coating. It consists of **W11-P CEMSEAL Powder** and **W11-L CEMSEAL Liquid Polymer**.

Mix Ratio: **Polymer + Cement Powder Mix = 1 + 1.8 by weight**

Mixed Slurry can be applied by a stiff brush or trowel to obtain the desired thickness.

ADVANTAGES

1. The coating provides an exceptional adhesion, toughness and durability under soaking conditions.
2. Can applied onto damp surfaces.

PROPERTIES

Pot life	: 1 hour at 20 °C & 20 mins at 35 °C.
Tensile strength	: >1.5 N/mm ² (at 1.5mm thickness)
Colour	: Grey powder and milky white liquid
Application temperature	: Not less than 10 °C



Soak in water for 1 month without peeling.

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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; a minimum coating thickness of 2 mm is recommended with screed above.

Mixing: **W11-L CEMSEAL Liquid** is to be poured into a plastic or metal drum first, then add **W11-P CEMSEAL Powder** part gradually, and mix properly by slow speed stirrer until brush-able consistency, avoid lump formation during mix.

Mix time: 2-4 minutes is enough. After mix, wait for 4-5 minutes to achieve brush-able consistency; Mixed material must be used within 20 minutes of pot life. Re-tempering with water should not be done. Keep on stirring during application.

Mix Ratio: **Polymer + Cement Powder Mix = 1 + 1.8 by weight**

PACKAGING

		<u>W11-P Powder</u>		<u>W11-L Liquid</u>
Packing 1	35 kg-set =	22.5 kg	+	12.5 kg
Packing 2	14 kg-set =	9.0 kg	+	5.0 kg

APPLICATION

1. For best results moisten the surface before coating with **W11 CEMSEAL**.
2. Apply the mixed material using a short, stiff bristle brush preferably 100 to 150 mm width.
3. Trowel can be used to spread the slurry.
4. **W11 CEMSEAL** shall be applied in two coats to achieve 1 mm thickness.
5. Coating Interval: as soon as the first coat has reached touch dry state.
6. On hot substrates, over 40 °C surface temperature, damp to cool the surface before coating.
7. Material should not be applied at temperatures below 10 °C.
8. Recommended total coating thickness: **1 to 2 mm**.
9. Areas subjected to moderate and heavy loads/hydrostatic pressure, minimum 2mm thickness
10. coating is recommended with screed above.
11. Allow coating to dry, before covering with screed.
12. Sprinkle coarse sand on wet surface of final coat for better adhesion of screed.
13. Drying time: 4 to 6 hours at normal temperatures.

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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 Brush-able consistency application:

For 1 coat	:	0.8 kg /m²
For 2 coat	:	1.6 to 1.8 kg /m²

STORAGE

Shelf life: 6 months in unopened packs, if kept in a dry store.
In high humidity conditions, the shelf life may be lesser than 6 months.
Prevent liquid part from freezing.

HEALTH AND SAFETY INSTRUCTIONS

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

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