



# CEMCIL 11 (formerly named W 11)

2-part Cementitious waterproofing coating for masonry surfaces

## USES

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

## PRODUCT DESCRIPTION

**CEMCIL 11** is a 2-part polymer modified cementitious waterproofing coating.

It consists of **W2 FLEXI GUARD POLYMER** : **C11 P Cement Mix**  
**Mix Ratio** **1** : **1.2** **by weight**

## ADVANTAGES

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

## APPLICATION INSTRUCTIONS

### Surface preparation:

Surfaces must be free from oil, grease, wax, laitance.

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

Spalled and deeply disintegrated concrete should be repaired with **RC20 + W1** repair system.

**CEMCIL11** provides an elastomeric protective waterproof coating and is shown to resist positive hydrostatic pressure up to 7 metres head.

The degree of resistance to water under pressure depends on the coating thickness.

For areas subjected to moderate and heavy loads/hydrostatic pressure, a minimum coating thickness of 2 mm is recommended with screed above.

**Mixing:** Pour **W2 FLEXI GUARD POLYMER** into a plastic or metal drum first, then add **C11 P CEMENT MIX** gradually. Mix properly by slow speed stirrer until brush-able consistency. Avoid lump formation during mix.

**Mix time:** 2-4 minutes is enough. After mixing, 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.

**COVERAGE** **0.8 kg /m<sup>2</sup>**

## CLEANING

**CEMCIL 11** should be removed from tools and equipment immediately after use with clean water. Hardened material can be removed mechanically.

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## APPLICATION

1. For best results moisten the surface before coating with **CEMCIL 11**.
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. **CEMCIL 11** 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 2 mm 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.

## PROPERTIES

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

## PACKAGING

		<u>W 2 Liquid Polymer</u>		<u>C11 P Cement Mix</u>
Packing 1	44 kg / set =	20 L	:	24 kg
Packing 2	22 kg / set =	10 L	:	12 kg
Packing 3	11 kg / set =	5 L	:	6 kg



Soak in water for 1 month without peeling.

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## STORAGE

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

## HEALTH AND SAFETY INSTRUCTIONS

1. **CEMCIL 11** 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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