

SpECTite CW100

FLEXIBLE CEMENTITIOUS WATERPROOF MEMBRANE

DESCRIPTION

SpECTite CW100 is a two-component polymer modified cementitious coating. The product may be trowel, brush or spray applied to provide a flexible, waterproof barrier.

TYPICAL USES

SpECTite CW100 may be used where there is a requirement to exclude water from a building or retain it within a structure. The material is particularly effective where there is a requirement for crack bridging capability, typically in the following situations:

- Potable water containers, tanks and reservoirs
- Swimming pools and silos
- Waterproofing planter boxes
- Waterproofing new and existing buildings
- As a backing to marble and granite to prevent water ingress and thus alleviate surface staining
- Protection against brackish water
- Coating seawater channels
- Wet Areas, Toilets, Balconies & Loggia

ADVANTAGES

- Withstands high hydrostatic pressures
- High bond strength to concrete and masonry
- Excellent crack bridging capabilities even after long periods of immersion
- Long pot life even at high temperatures

TECHNICAL DATA

Pot life @ 25°C	45 mins
Colours	grey, off-white
Tensile strength (ASTM D412)	1.0 N/mm ²
Water Absorption	3.27%
Adhesion to concrete	0.8 MPa
VOC (USEPA 24)	<1.0 g/L

Water vapour transmission 1.0 g/m² @ 24h

Capillary absorption 0.10 kg/m²-h^{0.5}

Minimum application

Temperature 5 °C

Water pressure resistance

Typical results @ 2mm 5 bar

Note: SpECTite CW100 meets the requirement of BS 6920 to be used in contact with potable water.

CHEMICAL & WEAR RESISTANCE

SpECTite CW100 resists diesel, petrol, calcium chloride and mild inorganic acids. **SpECTite CW100** also has excellent resistance to weathering and can accept normal foot traffic.

APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of **SpECTite CW100**.

The substrate must be clean and completely free from contaminants including grease, oil and loose material. Any repairs to the substrate should be carried out using **SpECbuild** cementitious repair mortars.

Mixing

SpECTite CW100 is supplied as a two component pack consisting of a liquid component and a powder component.



The product cannot be mixed by hand.



The liquid should be poured into a 25 litre plastic or metal drum. The powder should be added slowly whilst mixing with a spiral paddle attachment on a slow speed electric drill.

Mixing should continue until the product is lump free and for a minimum of 5 minutes.

Application

The prepared substrate should be dampened using a fine water spray. Care should be taken with porous substrates as more extensive pre-soaking will be required. Any free water on the surface should be removed immediately prior to applying **SpECTite CW100**.



While the substrate is damp but free from standing water, apply the mixed product by medium hard short bristle brush, trowel or roller checking that the first coat is at a minimum wet film thickness of no more than 1.5mm and no less than 0.5mm. The product should always be finished in one direction. The second coat should be applied as soon as the first coat is set hard, normally after a minimum of 3 hours @ 25°C and longer at lower temperatures. This second coat should again be finished in one direction (at 90° to the first coat).

The total thickness should be 1-2mm on walls and

1-3mm on floors depending on the anticipated water pressure. As a general rule, the total coating thickness should be 1mm on walls and floors where the hydrostatic pressure is not likely to exceed 0.5m, 1.5mm on walls and 2mm on floors for hydrostatic pressures up to 3m and 2mm on walls and 3mm on floors in situations where greater hydrostatic pressures are anticipated.

CURING

Normally **SpECTite CW100** does not need to be cured, however, in hot conditions where there exists high air movement, protection against premature drying is essential.

If spray application is considered, contact our Technical Service section for further information.

EQUIPMENT CLEANING

Tools and equipment should be cleaned immediately using water as, on hardening, the material can only be removed mechanically.

PACKAGING & YIELD

SpECTite CW100 is supplied in 22.1kg two part packs.

A complete mixed pack will cover approximately 10.0 m² at 1.5 mm thickness depending on the substrate profile.

A complete mixed pack will cover approximately 6.4m² at 2.0 mm thickness depending on the substrate profile.

STORAGE & SHELF LIFE

When stored in a cool environment in original unopened containers, the material has a shelf life of 12 months.

HEALTH & SAFETY

SpECTite CW100 contains alkalis and protection should be provided to prevent contact with skin and eyes. Inhalation of dust must be avoided whilst mixing. Gloves, goggles and a dust mask must be worn.

Eye contact

Rinse with copious amounts of clean water and seek medical attention.

Skin contact

Rinse with copious amounts of clean water followed by thorough cleaning with soap and water.

DO NOT USE SOLVENTS.

FLAMMABILITY

SpECTite CW100 is non flammable.

FLASHPOINT

SpECTite CW100 >100

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Whilst the information and/or specifications given are, to the best of our knowledge, true and accurate, no warranty is given or implied in connection with any recommendations or suggestions made by us, our representatives, agents or distributors as the conditions of use and labour involved are beyond our control.

If it is proven that the product does not perform as described in our TDS, SpEC's liability extends solely to the free replacement of product, once the claim has been accepted after due investigation by SpEC. SpEC will not entertain any claims involving any form of consequential costs or damages such as shipping costs, custom duties, damages to third parties, damages to structures, penalties from delay of a project or any other form of consequential damage.

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