



SpECtite CW50

MULTI-PURPOSE WATERPROOFING SLURRY

DESCRIPTION

SpECtite CW50 is a cement based, polymer modified, 2-component, multipurpose waterproofing slurry. **SpECtite CW50** has pore blocking effect with the excellent waterproofing ability of special polymers, fillers, and properly graded aggregates. Suitable for use in tropical and hot climatic conditions.

TYPICAL USES

SpECtite CW50 is used as an economical and easy to use waterproofing slurry both for external and internal applications.

SpECtite CW50 is suitable for the following applications:

- Retaining walls and bridge structures
- Water and sewage works, such as tanks and manholes
- Sea walls and irrigation channels
- Balconies, bathrooms etc.
- Basements and lift pits

ADVANTAGES

- Can be used against positive and negative water pressure
- Impermeable
- Brush, trowel or spray applied
- Good adhesion to sound substrates
- Pre-batched components (no water added)

TECHNICAL DATA

Pot life @ 25°C	60 mins
Colours (Liquid)	White
(Filler)	Grey
Compressive Strength	
(EN 196) @ 28 days	28 ± 2 MPa
Flexural Strength	
(EN 196) @ 28 days	5 ± 0.5 MPa

Adhesion to Concrete

(ASTM D 4541)

1.5 ± 0.2 MPa

APPLICATION

Preparation

It is essential that adequate preparation is carried out prior to the application of **SpECtite CW50**.

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.

The substrate must have a pull-off strength (tensile adhesive) of at least 1.0 N/mm². Use suitable mechanical methods such as abrasive blast cleaning, high pressure water jetting (minimum 150 bar), scabbling or needle gunning. New or smooth faced concrete surfaces should be sandblasted. All surfaces must be as true and flat as possible. Blowholes and irregularities should be filled with suitable **SpEC Flooring** products. Saturate absorbent concrete surfaces thoroughly with water to achieve a surface saturated dry condition.

Mixing

Stir liquid component thoroughly before pouring into a clean mixing container. Add filler component slowly while mixing continuously. Use forced action mixers or low speed electric mixers (maximum 500 rpm) with basket type mixing blades for 3 minutes avoiding entrapment of air. By adding the powder in portions, the desired application consistency can be obtained.

Application

While the substrate is still in a saturated surface dry condition. Apply the mixed product using a float,

brush or roller. Always work in one direction. Leave it for touch dry. Apply the second coat with same method, but at right angles to the first coat. Multiple coats can be applied by following same method.

CURING

Protect from rapid drying by applying **SpEC curing compound** or protecting with polythene sheeting.

EQUIPMENT CLEANING

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

PACKAGING & YIELD

SpECTite CW50 is supplied in 25 kg two part packs. (5 kg pails of liquid component and 20 kg bags of filler component).

Coverage Rates = 2 kg /m² min./ 4 kg/m² max.

Layer Thickness = 1 mm min. / 2mm max. per coat

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 CW50 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 CW50 is non flammable.

FLASHPOINT

SpECTite CW50 >100

Issue 3: 01/2023

QA-054

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.

SPECIALITY ENGINEERING CHEMICALS

PO Box 61347, Dubai, United Arab Emirates. Telephone: +971 4 883 6662, Fax: +971 4 883 7696

E-mail: info@spec.ae

www.spec.ae