

WALL-TECH C.W.C.

Cementitious Waterproofing Compound



Thortex Wall-Tech C.W.C. is a high performance polymer modified cementitious compound designed to provide a barrier against subsurface water on concrete surfaces.

Thortex Wall-Tech C.W.C. is based on a special blend of silicas, cements and polymers which require only the addition of water to provide an outstanding waterproofing compound. This unique blend forms insoluble crystalline complexes within fine shrinkage cracks and capillary tracks within the concrete to form a water resistant barrier that resists hydrostatic pressure of up to 7 bar.

Thortex Wall-Tech C.W.C. requires minimal surface preparation and is ideal for sealing internal concrete walls of sumps, basements, cellars or any subsurface concrete structure.

Thortex Wall-Tech C.W.C. can easily be overcoated with most **Thortex** Products.

Before proceeding, please read the following information carefully to ensure that the correct application procedure is fully understood.

SURFACE PREPARATION

All dirt, debris and loose materials must be removed. Any friable concrete should be removed back to a sound substrate. Any oil or grease contamination must be removed by detergent steam cleaning or pressure washing.

MIXING

Trowel Application: 2 litres of water should be loaded into a suitable mixer then all the contents of one bag of **Thortex Wall-Tech C.W.C.** (10 kg) should be added and mixed to a smooth, lump free consistency.

Brush Application: 2½ litres of water should be loaded into a suitable mixer then all the contents of one bag of **Thortex Wall-Tech C.W.C.** should be added and mixed to a smooth lump free consistency.

Spray Application: 3 litres of clean water should be loaded into a suitable mixer then all the contents of one bag of **Thortex Wall-Tech C.W.C.** should be added and mixed to a smooth lump free consistency.

APPLICATION

Surfaces to be treated should be damp, any dry areas should be wetted by brushing water over the surface.

Thortex Wall-Tech C.W.C. should not be applied when surface and air temperatures are below 5°C.

Trowel Application: The mixed **Thortex Wall-Tech C.W.C.** should be spread over the surface to a minimum thickness of 2½ mm. The surface should be finished by float to provide a smooth surface for subsequent coating.

Brush Application: The mixed **Thortex Wall-Tech C.W.C.** should be brushed over the surface at a nominal thickness of 1½ mm. This should then be allowed to harden but whilst still damp approximately 1 hour, a second coat should be applied to achieve a total thickness of 2½ - 3 mm.

Spray Application: The mixed **Thortex Wall-Tech C.W.C.** should be loaded into a specially designed, gravity feed hopper spray gun using a 10 mm tip with a 50-60 psi input pressure.

The Thortex Wall-Tech CWC is sprayed over the prepared surface to give a nominal 2½ mm thickness. The sprayed surface should be finished by float or brush to give a smooth substrate for subsequent painting.

Block Filling: For large areas, the **Thortex Wall-Tech C.W.C.** should be applied by spray as previously but only at sufficient thickness to cover the surface. The sprayed surface should then be finished off with a brush to prepare the surface for subsequent painting. For small areas, the **Thortex Wall-Tech C.W.C.** can be applied by float then finished off by brushing as before.

All equipment must be cleaned IMMEDIATELY after use with clean water.

Theoretical Coverage Rate (Approximate)

Trowel - 2 m² per 10 kg at 2.5 mm
(21.5 ft² per 10 kg at 100 mils)

Spray - 2.3 m² per 10 kg at 2.5 mm
(24.5 ft² per 10 kg at 100 mils)

Brush - 4.7 m² per 10 kg at 1.5 mm per coat
(50.5 ft² per 10 kg at 60 mils)
Two coats required

Detailed working recommendations are available from the Technical Centre on request.

PHYSICAL CONSTANTS

Mixing Ratio See Application Details

Appearance Concrete Grey Powder

FOR FURTHER INFORMATION PLEASE CONTACT



Drying & Cure

| | | |
|----------------------|--|------------|
| times at 20°C | Usable Life | 20 minutes |
| | Touch Dry | 20 minutes |
| | Hard Dry | 2 hours |
| | Minimum Overcoating (with coatings) | 3 days |

Shelf Life Use within 12 months of purchase. Store in original sealed containers at temperatures 5°C (30°F) and 30°C (86°F).

HEALTH AND SAFETY

Normal precautions for using cement based products is advisable, barrier creams or gloves should be used.

A fully detailed **Material Safety Data Sheet** is either included with the material or is available on request.

PACKAGING

Supplied in 2 x 10 kg units.

The information provided in this Product Data Sheet is intended as a general guide only and should not be used for specification purposes. The information is given in good faith but we assume no responsibility for the use made of the product or this information because this is outside the control of the company. Users should determine the suitability of the product for their own particular purposes by their own tests.



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