

Contec

C1



Crystallising Concrete Waterproofing Compound

TECHNICAL DATA

APPLICATION

Prior to application, all cracks and joints are to be repaired and cleaned. Mix Contec **C1** into a slurry consistency, 5 parts powder to 2 parts clean water. Using a concrete brush, apply an aggressive circular motion to coat the concrete. Allow the product to harden (approximately 3 hours)

SLURRY COVERAGE

0.8 kg per m²

CURING

Completed applications should be moist cured for 48 hours and protected from rain and light traffic for 12 hours. Heavy traffic should be avoided until the surface has hardened. Treated concrete surfaces should not be permanently exposed to liquids for 7 days. Finishes containing Portland cement may be applied over Contec **C1** after 3 hours, but other paint and coating finishes should not be applied before 28 days

PHYSICAL PROPERTIES

Colour	Grey
Texture	Powder
Particle Size	40-150 microns
Bulk Density	1.4
PH (when mixed)	13
Rate of Penetration	2 mm per week

PRECAUTIONS

Do not apply when the surface temperature is below 5°C. Contec **C1** in a slurry format has a high pH which necessitates protective clothing and eye wear. The product is not designed to be a decorative surface and will change the surface colour.

PACKAGING

2.5 kg can
6.25 kg pail
12.5 kg pail

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Contec crystallising waterproofing compound is an intelligent, self-sealing waterproofing system that transforms porous concrete into a permanent, water-resistant barrier. The system provides a structural defence against water damage and steel reinforcement corrosion. When Contec crystallising waterproofing compound is combined with water and concrete, it reacts with the unhydrated cement particles to form millions of needle-like crystals. Over a period of weeks and months, these crystals grow, filling the naturally occurring pores and voids in concrete, and permanently blocking the pathways for water and waterborne contaminants.

Easy to apply in slurry form

Contec C1 is a cementitious powder compound used to waterproof concrete. **Contec C1** contains chemicals which react with concrete, forming a waterproofing crystalline structure within the pores of the concrete.

Common applications:

Ponds & Swimming Pools

Basement tanking

Retaining walls

Concrete construction joints



INTERNAL MEMBRANE

Add 5kg of Contec **C1** per cubic meter of concrete. Due to the plasticising effect, reduce the water content of the mix to attain desired slump or workability.



SLURRY APPLICATION

Saturate concrete area with water. Mix Contec **C1** to a workable consistency. Apply 2 coats with brush or soft broom. Allow 2 hours between coats.



REMEDIAL APPLICATION

Remove defective concrete and clean. Apply Contec **PLUG** to halt water flow. Mix Contec **C1** to workable consistency. Apply 2 coats with brush or broom. Allow 2 hours between coats.



SAFETY PRECAUTIONS

Wear rubber gloves and protective clothing. Avoid contact with skin and eyes. Avoid inhaling product dust.

FIRST AID

If poisoning occurs contact a doctor. If effected flush repeatedly with water and wash skin thoroughly.

