

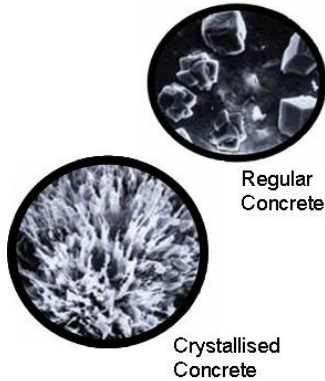
Contec

C1



Crystallising Concrete Waterproofing Compound

CRYSTALLINE GROWTH PRINCIPLE



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.

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.

NEW CONCRETE STRUCTURE WATERPROOFING – PROTECTION AND STRENGTH

**DURABILITY;
RESISTS
HYDROSTATIC
PRESSURE;
CHEMICAL
RESISTANCE;
PERMANENT
SELF HEALING**

INTERNAL MEMBRANE FOR WATERPROOF SHRINK RESISTANT CONCRETE AND SHOTCRETE

Add 5kg of Contec **C1** per cubic meter of concrete. Due to the plasticising effect, reduction of the mix water may be required to attain desired slump or workability. Alternately, Contec **C1** can be applied to freshly poured concrete as a dry-shake treatment during the finishing process.

**FOUNDATIONS BASEMENTS CAR PARKS
FLOOR AND ROOF SLABS MARINE POOLS**

Standard 5 cubic meter cement truck requires the contents of 2 pails of 12.5kg Contec C1



pour



security in marine conditions



broadcast



add on site



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TECHNICAL DATA



INTERNAL MEMBRANE FOR WATERPROOF SHRINK RESISTANT CONCRETE AND SHOTCRETE

Product Information

Water used in the concrete mix **MUST** be reduced by approximately 12½ % for a normal concrete or shotcrete mix design to gain a similar slump. No other additive should be used unless specifically designed and approved for special applications.

C1 concrete will pump more easily and allow easy finishing and cleaning up. **C1** normal usage is 1½ % by weight of the cement content of the mix (include fly-ash and silica fume) to a maximum of 6kg per cubic metre of concrete.

C1 is available in plastic pails. Before opening the pails turn upside down to aerate the contents and overcome storage compaction.

Directions For Use

C1 ADDED AT THE SITE

The pre-weighed powder should be added slowly and mixed for a minimum of 10 minutes in the transit truck bowl or concrete mixer. Ensure water content had been adjusted as above.

C1 ADDED AT PRE-MIX PLANT

The mix design must allow for a reduction of water as detailed above. **C1** powder supplied in pails should be added slowly to pre-mixed concrete.

BLOCK FILL

C1 can be used as an additive to a block fill mix to assist waterproofing where an external membrane is not used. Ensure the cavity is clean, keep the cavity moist prior to filling and ensure entrapped air is expelled from all sections, particularly at the base.

NOTE: *Should the delivery and placing time exceed 1 hour it is recommended to add C1 to the transit truck bowl at site.*

SAFETY:

Wear rubber gloves to protect skin. When mixed with water or perspiration C1 may affect skin, avoid contact with eyes.

FIRST AID TREATMENT:

Immediately wash skin with clean water, irrigate eyes with clean water, and seek medical attention for alkaline contact.