



CONPLAST CWP

Integral Crystalline Waterproofing For Concrete

Uses

To reduce water permeability and absorption by chemically reacting with free lime to produce crystalline that can be act as pore blocking.

CONPLAST CWP becomes an integral part of concrete.

Used for basements floor and walls, foundations, pile cap, reservoirs, sewage and water treatment plants, tunnel and subway structures, underground vaults, parking structures, precast components.

Advantages

- Easily to apply – manufactured in the form of liquid
- Becomes an integral part of the concrete

Description

CONPLAST CWP is a crystalline waterproofing that added to concrete to reduce water permeability and absorption.

Properties

Appearance	: Opaque /White liquid
Density at 25+/- 2°C	: approx. 1.20
Chloride Content	: Nil (Not intentionally added)
Water permeability	: < 5 cm (test method: DIN EN12390-8:2009-07)
Water Absorption	: < 5% (test method: BS1881:part 122:1983) or ASTM C642

Properties are typical under laboratory conditions and do not constitute a specification. Fields trials are recommended.

Recommended mix proportion

- Cement + Cementitious, minimum 350 kg/m³
- W/C maximum 0.45
- Slump 10 - 20 cm
- Dosage 0.6 – 1.0 % by weight of (cement + cement replacement)

Specification clauses

The concrete mix shall consist of:

- Cement or Sulphate resisting cement to ASTM C150.
- 5-25mm graded gravel aggregates size 57 of ASTM C33.
- Graded sand to ASTM C33.
- The concrete shall be fully compacted by mechanical vibration and shall be then cured using FOSROC CONCURE series, or controllable condition wet hessian.

Effects of Overdosing

An over dosage of CONPLAST CWP will result in fast setting of the concrete, but the ultimate strength of concrete will not be reduced provided good curing is maintained.

Joint

Swell able Water stop SUPERCAST SW 10/30 or SUPERCAST PVC type are recommended to provide an integral sealing system for construction joint in situ concrete.

Packaging

CONPLAST CWP is supplied in 20 litre pails and 210 litre in drums. Special packaging on request.

Storage

CONPLAST CWP has shelf life of 12 months provided the temperature is kept within the range 20 °C to 35 °C in original packing.

Precautions

Health and Safety

This product irritant to skin and eyes, can cause serious damage to eyes. Use Goggle and skin protection. For detail, refer to Safety Data Sheet for handling this product.



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Important note

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