

Conplast Crystalline L

Integral waterproofing liquid admixture based on crystalline formation to produce water tight concrete.

Uses

Conplast Crystalline L is an integral waterproofing liquid admixture to produce watertight concrete. The active chemical in Conplast Crystalline react with moisture available in concrete to produce non soluble crystalline formation throughout the pores of capillary tracks thus making concrete permanently sealed against water penetration from any direction.

Conplast Crystalline L is developed to use in;

- All types of concrete foundation below ground
- Water tanks
- Tunnel Concreting
- Retaining walls and subways
- Deck slab - Bridges, plinth and intermediate slab used for car parking
- Water tank and Swimming pools
- Precast unit
- Lift shaft

Advantages

- Easy to use, require only mixing with concrete.
- Integral waterproofing system.
- Crack filling property with time up to 0.4 mm width
- Exhibits good resistance to hydrostatic water pressure both surface.
- Compatible with our full range of water reducing admixture.
- More effective due to formation of crystalline in tiny capillaries.
- Reduce Shrinkage and Creep
- Increase durability
- Resistant to aggressive chemicals
- It is liquid, does not cause clumping
- Does not prevent concrete from breathing

Description

Conplast Crystalline L is an inorganic liquid mixture that provides waterproofing in concrete. It forms crystals by reacting with the chemicals in concrete and provides waterproofing. These insoluble crystals structure that clogs.

In addition to providing waterproofing, it also increases the compressive strength and mechanical properties of concrete and provides resistance to chemicals.

Technical Support

Fosroc provides technical advisory service for on-site assistance and guidance on mix design, optimum dosage evaluation of trials.

Properties

Appearance	Dark Brown liquid
Density	1,17 ± 0,05 gr/cm ³
pH	9,5 - 11,5
Workability Retention	To be adjusted using water reducing and retarding admixture as required..
Compatible with cement	Can be used with all cements including pozzolonic cements.
Permeability to water	Has very low permeability compared to control concrete

Dosage

The optimum dosage of Conplast Crystalline L to meet specific requirement should always be determined by conducting laboratory and batch trials. However the normal dosage ranges between 0,8 to 1,5 percent by weight of total product or binder content.

In concretes where Conplast Crystalline L will be used, the water rate of the concrete should be reduced by at least 5%.

Waterproofing with Conplast Crystalline L is not suitable for concretes with a water / cement ratio (w / c) > 0.55.

Conplast Crystalline L

Instruction for Use

Compatibility

Conplast Crystalline L is compatible with our water reducing admixture when used in the same concrete mix, but should be added to the mix separately. The resultant properties of mixes containing more than one admixture should be assessed by the trial mix procedure recommended on this data sheet.

Conplast Crystalline L is suitable for use with all types of Portland cements, SRC cements and cement replacement materials such as PFA, GGBFS and microsilica.

Dispensing

The optimized quantity of Conplast Crystalline L must be added to the mixing water or into the wet concrete at the time of mixing. For Ready Mix Plants, Conplast Crystalline can be added at site and mixed to ensure uniform distribution throughout concrete mix.

Conplast Crystalline L shall be dispensed into transit mixer and mixed well before pumping or placing. Suggest not adding Conplast Crystalline L directly into concrete. Consult with Fosroc technical department for additional information.

Curing

As with all structural concrete, good curing practice should be maintained, particularly in situations where an overdose has occurred. Water spray, wet hessian or Concure spray applied curing membrane should be used.

Supply	
Conplast Crystalline L	30 kg drum & 1000 kg IBC

Storage

Shelf Life

Conplast Crystalline L has a minimum shelf life of 12 months in environments above 5°C in its original unopened package.

Precautions

Health and safety

Conplast Crystalline L is alkaline and should not be swallowed or allowed to come into contact with skin and eyes. Wear suitable protective gloves and goggles. In case of contact with the skin, wash immediately with soap and water. In case of contact with eyes rinse immediately with plenty of water and seek medical advice. If swallowed seek medical attention immediately - do not induce vomiting. For further information consult the Safety Data Sheet available for this product.

Fire

Conplast Crystalline L is non-flammable.

Cleaning and disposal

Spillages of Conplast Crystalline L should be absorbed onto sand, earth or vermiculite and transferred to suitable containers. Hose down remnants with large quantities of water. The disposal of excess or waste material should be carried out in accordance with local legislation under the guidance

** Denotes the trademark of Fosroc International Limited*

† See separate data sheet

FOSROC



MATT INDIA CO

G-25, SECTOR -63,
GAUTAM BUDDH NAGAR,
UP-201307 INDIA

Phone No:

09555666476

09555655544

Email: mattindia1@gmail.com