

## Integral waterproofing liquid admixture for concrete, Plaster and mortars.

### Uses

To minimise permeability and increase the waterproofing properties of concrete, plaster and cement sand mortars for critical applications like roof slabs, screeds, basements, external plastering, bathroom floors, water tanks, sumps, drains etc.

### Feature and Benefits:

- **Advanced Technology** : Third generation polycarboxylate based, suitable for any grade of concrete including higher grades.
- **Corrosion resistant**: Reacts with Calcium hydroxide and Blocks the Pores of the concrete, this property protects the reinforcement against corrosion.
- **High Strength** : Due to better dispersion of cement particle the strength is higher than the control concrete.
- **Cohesive Mix** : Improves workability and cohesiveness of the concrete.
- **Durability** : Improves durability due to reduction in permeability of concrete and corrosion resistance of steel.

### Standards compliance

Conplast WL Xtra conforms to IS:2645-2003.

### Description

Conplast WL Xtra is a dark brown liquid based on cement dispersion polymers which mixes readily with water and therefore disperses evenly.

Conplast WL Xtra waterproofs by improving the quality of the concrete or mortar. It reduces the water demand for required workability and minimises segregation and bleeding. Thus it is more efficient compared to traditional powder and conventional integral waterproofing compounds as its use results in two fold improvement of concrete or mortar.

### Technical support

Fosroc provides a technical advisory service for onsite assistance and advice on admixture selection, evaluation trials and dispensing equipment. Technical data and guidance can be provided for admixtures and other products for use with fresh and hardened concrete.

### Properties

- Chloride content** : As per IS:2645-2003.
- Compatibility** : Can be used with all types of cements, including pozzolanic but not High Alumina Cement.
- Permeability to water** : Less than 20% as compared to 50% max. allowable under IS:2645 compared to control sample.
- Setting Time** : No significant effect on setting time of concrete or mortar.

**Compressive Strength** : Maintains compressive strength equal to control concrete or mortar and can even improve on strength property if full advantage of water reduction potential is utilised.

**Workability**: Improves workability at reduced water cement ratio

### Application Instructions

- Add cement & aggregates to concrete mixer as per the mix design, mix in dry state for 1 minutes.
- Start addition of 75–80% mixing water & mix for 2-3 minutes.
- Fosroc Conplast WL Xtra is added as per the recommended dosage into the remaining mixing / gauging water, then add to concrete mixer & mix for another 2 minutes.
- Place the concrete or apply plaster, as needed.
- Cure the applied mortar or concrete as per good construction practices or use Fosroc Concure curing compounds

The required quantity of Conplast WL Xtra is measured and stir into the first or second bucket of water.

**Dosage** : The Optimum dosage is 200ml for 50kg of cement..

Site trials shall be carried out to authenticate the optimum dosage.

Note: Mix using Conplast WL Xtra will require much less water than normal mix for the same workability. Water reduction may be as much as 10% or more. If the moisture content of the sand or aggregate changes i.e., it becomes wetter or dryer, then the amount of water used must be reduced or increased to give the original workability.

# Conplast WL Xtra

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## DO's and DONT's :

- Do not add Fosroc Conplast WL Xtra directly to dry cement & aggregate mix.
- Maintain water-cement ratio as low as possible.
- Do not increase the dosage of Conplast WL Xtra than the recommendation.

## Estimating

### Packaging

Conplast WL Xtra is supplied in 200ml, 1, 5, 10, 20, 50, and 200 litre containers.

### Storage

Conplast WL Xtra has a minimum shelf life of 24 months, if kept in a dry store in unopened containers, temperature below 50°C.

## Precautions

### Health and safety instructions

Conplast WL Xtra is non-toxic. Any splashes on skin should be washed well with water. If contact with eyes occurs, it shall be washed well with plenty of water and medical advice sought immediately.

## Fire

Conplast WL Xtra is non-flammable.

## Additional information

FOSguard is registered brand owned by FOSROC for building care products. With our commitment to our valued customers for providing a complete solutions for the buildings we have host of products including waterproofing, repairs, grouts, anchors protective coatings , sealants , mould release agents and curing compounds

“YOU BUILD. WE PROTECT” is our commitment from the brand of FOSguard

Separate datasheets are available on these products.

## Important note :

Berger Fosroc products are guaranteed against defective materials and manufacture and are sold subject to its standard terms and conditions of sale, copies of which may be obtained on request. Whilst Berger Fosroc endeavours to ensure that any advice, recommendation specification or information it may give is accurate and correct, it cannot, because it has no direct or continuous control over where or how its products are applied, accept any liability either directly or indirectly arising from the use of its products whether or not in accordance with any advice, specification, recommendation or information given by it.



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