

CX SUPER CONCRETE LS

Integral Waterproofing Liquid Admixture For Concrete And Mortar

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ADVANTAGES:

1. Liquid Admixture
2. High Efficiency
3. Improved workability
4. Improved concrete quality

PACKAGING:

1kg, 5kg, 20kg, 50kg, 250kg

DESCRIPTION:

CX SUPERCONCRETE LS is a dark brown liquid based on lignosulphonates which mixes readily with water and therefore disperses evenly.

CX SUPERCONCRETE LS waterproofs by improving the quality of the concrete or mortar

 **1800 - 212 - 2726**



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Description:

- **CX SUPERCONCRETE LS** is a dark brown liquid based on lignosulphonates which mixes readily with water and therefore disperses evenly. **CX SUPERCONCRETE LS** waterproofs by improving the quality of the concrete or mortar.
- It reduces the water demand for required workability and minimizes segregation and bleeding. Thus it is more efficient compared to traditional power water proofers as its use results in two fold improvement of concrete or mortar.
- **CX SUPERCONCRETE LS** is specially formulated additive composed of cement compatible, surface active agent, polymers & additives. It is used as an additive for cement concrete/ mortar/ plasters, because plasticizing properties, makes concrete cohesive and prevents segregation. It improves the integral waterproofing properties of cement concrete & plasters after curing.

Areas of Application :

waterproofing of concrete and sand-cement mortar used in

- Basements
- Roof slabs and screeds
- Water tanks & water retaining structures
- External plastering
- Bathrooms and balconies
- Sumps and drains

Advantages :

- **Breathing** – it retains the breathing efficiency of concrete.
- **Permeability** – It reduces the permeability of water into concrete.
- **Economics** – it is an economical additive as compare to other waterproofing materials.
- **Strength** - The setting time and compressive strength of the concrete remains within the specification limits.
- **Shrinkage** - Reduces shrinkage crack development in plaster & concrete.
- **Compatibility** -Being a liquid, easily dispersible & compatible with concrete/mortar mixes.
- **Cohesiveness** - Makes the concrete / mortar more cohesive, hence no bleeding & segregation.
- **Durability** - Increases durability by improving integral waterproofing of concrete.

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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 15% 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
Standards compliance	IS: 2645-2003.
Appearance	Free flowing thin liquid
Colour	Light Brown colour
PH value	11 - 13

Application instructions:**Mortar:**

- **CX SUPERCONCRETE LS** is ideal for use with all sand/cement mortars where it is required to reduce permeability to a minimum.

Concrete:

- **CX SUPERCONCRETE LS** is recommended for all general mass concrete work where, due to harsh aggregates, difficulty of compaction or mix control, the risk of porosity and permeability must be minimized.
E.g. Basements, bund walls, tanks, balcony, floor and roof slabs.



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N.B.:

- The minimum dosage is 125ml and the maximum is 200ml per 50kgs of cement. If maximum dosage is used a minimum of 15% water should be reduced to ensure no loss in strength. Site trials shall be carried out to arrive at the optimum dosage.
- The required quantity of **CX SUPERCONCRETE LS** is measured and stir into the first or second bucket of water.
- **CX SUPERCONCRETE LS** water mixture shall be added to the concrete or mortar and mixed thoroughly. Mixing shall be continued and further water shall be added until the required workability is obtained.
- The total amount of water added per mix in the initial batches shall be maintained for the remaining batches.

Note:

- Mixes using **CX SUPERCONCRETE LS** will require much less water than normal mixes for the same workability. Water reduction may be as much as 15% or more.
- If the moisture content of the sand or aggregate changes i.e., it becomes wetter or dryer, and then the amount of water used must be reduced or increased to give the original workability.

Packaging:

- **CX SUPERCONCRETE LS** is supplied in 125gm, 1, 5, 20 and 200 kg containers.

Storage:

- **CX SUPERCONCRETE LS** has a minimum shelf life of 12 months, if kept in a dry store in unopened containers.

Health and Safety instructions:

- **CX SUPERCONCRETE LS** 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:

- **CX SUPERCONCRETE LS** is non-flammable.

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