

Integral Waterproofing Liquid & Water Reducing Admixture for Concrete and Mortar



ZYCRETE 2X NEXT GENERATION

Zycrete 2X is a next generation liquid admixture used for cement-based applications, concrete and mortar structures. It reduces permeability of concrete/mortar thus imparting prolonged waterproofing and durability. Zycrete 2X can be used with all types of cement/sand and is ideal for critical applications like roof slabs and screeds, basements, external plastering, bathroom floors, water tanks, sumps, drains, etc.

FEATURES

- ✓ Improves Workability
- ✓ Enhances Concrete Quality
- ✓ Minimises Porosity and Honeycombing
- ✓ Increases Setting Time
- ✓ Higher Strength

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ZYCRETE 2X APPLICATION GUIDELINE

Advantages

Improves workability: Improves compaction and setting of concrete and mortar (up to M 40 grade), even where harsh sands or aggregates are used.

Enhances concrete quality: It maintains compressive strength equal to control and can even improve on strength property if the full advantage of water reduction potential is utilised.

Minimises porosity and honeycombing: Produces dense homogenous concrete.

Develops faster and higher strength in all cemented applications.

Standards Compliance: Zycrete 2X conforms to IS:2645-2003

Description: Zycrete 2X is a dark brown liquid based on the next generation of lignosulfonate polymers and formulated to mix readily with water for preparing the mix.

Dosage: 100 ml per 50 kg bag of cement is the recommended dose.

PROPERTIES

Chloride content: As per IS:2645-2003

Permeability: It reduces the permeability of water into concrete or mortar and increases the durability

Compatibility: Can be used with all types of cement including pozzolanic but not High Alumina Cement.

Setting Time: Can Maximize Initial setting time by 2 hours

Comprehensive Strength: Comprehensive Strength of the Concrete remains within the specification limits

Shrinkage: Reduces shrinkage / crack development in plaster and concrete due to reduced water requirement.

Application Instructions

Mortar: Zycrete 2X is ideal for use with all sand/cement mortars where it is required to reduce permeability to a minimum. Its High efficiency causes a reduction in permeability of concrete/ mortar which requires 15-20% less water.

Concrete: Zycrete 2X is recommended to minimize the porosity and permeability of concrete, where harsh aggregates are used and difficulty of compaction arises Eg. Basements, bund walls, tanks, balcony, floor and roof slabs. Zycrete 2X can be easily mixed with entire recipe water & then added to the concrete or mortar and mixed thoroughly. Water shall be added until the required workability is obtained.

Note: 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 achieve desired workability.

Packaging

Zycrete 2X is available in 500 ml, 1 liter, 5 liter, 10 liter and 20 liter containers.

Storage

Zycrete 2X has a shelf life of 2 years at room temperature under shade. Keep it out of reach of children.

Precautions

Zycrete 2X is non-toxic. Any splashes on the 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.