

# FIBSEAL CRYSTAL ADMIX

A Crystalline water Proofing Admixture Based Powder

Product # 114.49

Version no: 16.11.23

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Tech

**PRODUCT DESCRIPTION:** Fibseal Crystal Admix cementitious capillary waterproofing systems provides a permanent solution to leakage, seepage or ingress of water. The waterproofing effects is provided by reaction of different chemical components in Fibseal Crystal Admix with moisture in concrete and within the matrix of the concrete structure forming non soluble crystallization products that seal the capillaries and blocks the passage of water.

## AREAS OF APPLICATION

- Concrete sub structures & super structures
- Water retaining structures
- Concrete roof decks
- Swimming pools
- Basements & car parking
- Septic tanks
- Balconies
- Elevator Shafts
- Planter boxes
- Bathroom and toilets
- Tunnels
- Concrete pipes
- Containment walls
- Concrete precast Blocks

## ADVANTAGE

- Becomes an integral part of the concrete structures.
- Penetrates deep into the capillary tracts of the concrete structure.
- Resistive against water borne corrosive chemicals.
- Easy to use simply mix in concrete batch.
- Reduces construction time
- Nontoxic or Harmful
- VOC free
- Long lasting crystallization products
- Allows concrete to breathe
- Very resistive Against hydrostatic pressure from any direction

## APPLICATION

### MIXING

No need to mix powder separately all ingredients perfectly blend in Fibrex factory or plant.

### USE

For Dry batch in ready mix plant, Add Fibseal crystal admix powder form to the drum of the ready-mix truck. Drive the truck under the batching plant and add 60%-70% of the required water, along with 136-227 kg of aggregate. Mix the materials for 2-3 minutes to ensure the Fibseal crystal admix is distributed evenly throughout the mix water. Add the balance of materials to the ready-mix truck in accordance with standard batching practices.

For Central batch in ready mix plant, Mix Fibseal crystal admix with water to form a very thin slurry (e.g. (1 kg) of powder mixed with (1-1.5 l) of water).

Pour the required amount of material into the drum of the ready-mix truck. The aggregate, cement, sand and water should be batched and mixed in the plant in accordance with standard practices (taking into account the quantity of water that has already been placed in the ready-mix truck. Pour the concrete into the truck and mix for at least 5 minutes to ensure even distribution of Fibseal crystal admix throughout the concrete.

For Precast batch plant, Add Fibseal crystal admix to the aggregate and sand, then mix thoroughly for 2-3 minutes before adding the cement and water. The total concrete mass should be blended using standard practices.

Ensure in any process obtain homogeneous mixture of Fibseal crystal admix with the concrete.

## TECHNICAL SPECIFICATIONS

Appearance	Grey powder
Bulk Density	1.4g/cm <sup>3</sup>
Permeability	low permeability compared to control concrete
Setting time	Confirm to IS 2645-2003 for initial and final.
Dose	0.8-2.0% by weight of cement or binder content

All technical data stated in this Product Data Sheet are based on laboratory tests. Actual measured data may vary due to circumstances beyond our control.

## PACKAGING

Fibseal Crystal Admix is packed in 25 kg bags.

## STORAGE

Store the material at temperatures between + 5° C and + 45° C in originally sealed packages, the material can be stored for 12 months. Open bags of material should be used quickly to avoid moisture contamination.

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## PRECAUTIONS

During mixing and application the following precautions should be observed: ensure adequate ventilation and avoid contact of the material with the eyes, nasal passages, mouth and unprotected skin. Avoid contact with the hands by wearing protective gloves and using, if necessary, a suitable barrier cream. In case of contact with the eyes, rinse immediately with plenty of water and seek medical advice and after contact with the skin wash immediately with plenty of soap and water (do not use solvents). Prolonged contact with the skin should be avoided. Always wear gloves and eye/face protection as necessary. Observe personal hygiene, particularly washing the hands after work has been completed or at any interruption whilst work is in progress. Care should be taken when removing gloves to avoid contaminating the insides. In case of accidents seek medical advice.

## DISPOSAL / SPILLAGE

Spillage of any of the component products should be absorbed onto sand or other inert material and transferred to a suitable disposable vessel. Disposal of such spillage or empty packaging should be in accordance with local waste disposal authority regulations.

## NOTE

The information supplied in this datasheet is based upon extensive experience and is given in good faith in order to help you. Our company policy is one of continuous Research and Development; we therefore reserve the right to update this information at any time without prior notice. We also guarantee the consistent high quality of our products; however as we have no control over site conditions or the execution of the work, we accept no liability for any loss or damage which may arise as a result thereof.

## HEALTH AND SAFETY

This material is intended to be used by trained professionals with proper equipment's. The following safety measures are recommended:

- Wear protective gloves, clothing, goggles, hearing protection for noise reduction and hard hats for falling debris.
- Do not eat, drink or smoke while in active contact with these materials.
- Avoid skin contact.
- Wash hands thoroughly with soap and cool water.
- Never wash the skin with a solvent.
- Anyone experiencing difficulty breathing when working with these materials or showing an allergic reaction should seek fresh air immediately and consult a physician if symptoms persist.

## DISCLAIMER:

Fibrex Construction Chemicals pvt.ltd. products though 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. Fibrex wishes to clarify that any advice, recommendation, specification or information is accurate and correct, though it cannot, at any time assume any liability either directly or indirectly arising from the use of its products. This is because it has no direct or constant control over where or how its products are applied, and whether or not in accordance with the advice specification, recommendation or information given by it.

## FIBREX OTHER PRODUCTS – WE DO

