

CLASSIC CRETETM CRYSTAL WP

Powder waterproofing crystalline admixture

Classic Crete Crystal WP is powder waterproofing admixture formulated from selected organic salts and very fine treated silica specially designed to reduce the permeability in all cement based mortars, screeds and concrete. **Classic Crete Crystal WP** blocks the natural pores in the mix and imparts the hydrophobic properties which reduce moisture permeability.

Unique properties of **Classic Crete Crystal WP** active organic chemicals reacts with the moisture in fresh concrete and generates non soluble crystal and block the pores during active hydration of cement particle. The concrete admixed with **Classic Crete Crystal WP** become permanently sealed against water penetration from all sides, which also increases the ultimate strength of concrete.

The advanced waterproofing properties of **Classic Crete Crystal WP** also protect reinforcement against corrosion, harsh environment and waterborne chemicals like sulfates, acids and chlorides, increasing the durability and life span of concrete.

Applications:

Classic Crete Crystal WP is a waterproofing admixture for use in all cement based mortars, screeds and concrete.

It is recommended to be used for.

- Reservoirs, Sewage
- Water treatment plants, Foundations
- Underground vaults
- Swimming pools, Basements
- Parking structures, Elevator Pits
- Below grade pipelines, Dams, Bridges
- Traffic Tunnels, Highway Infrastructure
- Precast Concrete, Cast-in-place Concrete

TECHNICAL PROPERTIES:

Colour: White to beige powder
 Bulk density: 0.60±0.05 g/cm³
 Chloride Content:
 EN 934-2 : Nil

Air Entrainment: Typical less than 2% additional air is entrained above control mix at normal dosages

Permeability reduction:
 IS 2645 At least 70%
 VOC: 0 g/ltr

**Improvement may vary depending on water-to-cement ratio (W/C) and cement content in the mix.*

Advantages

Improves durability by minimizing penetration of moisture and water based chemicals. No additional water into dry or semi-dry mixes. Reduces efflorescence and pigment leaching from cement mortars.

Chloride free. Added into the concrete at time of batching. Resists hydrostatic pressure from all direction, allow concrete to breathe. Can heal static cracks up to 0.5mm. Active material for the entire life of concrete. Permanently waterproofs concrete. Protection against corrosion. Non toxic, Zero VOC Content, Saves construction time and cost by eliminating the need for external membrane as well as reduced labour number. Enhances performance of concrete by reducing permeability by at least 70%, Enhances concrete hydrophobicity and repellency properties. No special addition precautions. Increases ultimate strength of concrete..

COMPATIBILITY

Classic Crete Crystal WP can be used with all types of Portland cement and cement replacement materials. **Classic Crete Crystal WP** is compatible with other Primadonn admixtures used in the same concrete mix.

If more than one type of admixture is to be used in concrete mix, they must be dispensed to the concrete separately.

METHOD OF USE:

Classic Crete Crystal WP should be added to the mix at the same time as the cement, sand and other aggregates. Do not pre-dissolve in the mixing water

DOSAGE

The guidance dosage of **Classic Crete Crystal WP** ranges from 0.8-2 kg per 100 kg cementitious materials in the mix, including GGBFS, PFA or microsilica.

CLASSIC CRETETM CRYSTAL WP

Powder waterproofing crystalline admixture

Representative trials should be conducted to determine the optimum dosage of **Classic Crete Crystal WP** to meet the performance requirements by using the materials and conditions on actual use.

POINTS TO BE CONSIDERED IN WATERPROOF CONCRETE

1. Lower water to cement ratio gives lower permeability concrete.
2. Good concrete placing and compaction are very important to produce waterproof concrete.
3. Fresh concrete should be protected against rapid drying and cured properly.
4. Cold joints must be avoided.

CLEANING

Classic Crete Crystal WP can be removed immediately by brush. If the spillage is mixed with water, attention should be taken not to leave slippery film.

PACKAGING

Classic Crete Crystal WP is available in 5, 10, and 25 kg bags.



EFFECTS OF OVER DOSAGE

Classic Crete Crystal WP over dosage will increase air entrainment which may cause a reduction in the compressive strength.

STORAGE

Classic Crete Crystal WP has a shelf life of 12 months from date of manufacture if stored at temperatures between 2 °C and 50 °C.

CAUTIONS HEALTH AND SAFETY

Classic Crete Crystal WP is not classified as a hazardous material. **Classic Crete Crystal WP** should not come into contact with skin and eyes.

In case of contact with eyes, immediately flush with plenty of water and seek medical attention.

FIRE

Classic Crete Crystal WP is nonflammable

TAMILNADU

Corporate Office

PRIMADONN BUILD TECH PVT LTD

No. 349, First Floor, Srinivasa Nagar, Kavaripeetai, Gummidiipoondy 601 206.

Ph+91-8220513172,

Admin Office:

No.605, Selva Vinayaga Nagar, Grant Lyon Village, Ponneri Tk., Thiruvallur Dt., Ph+91-6379174327, +91-8438276059.

Manufacturing Unit

No.603, Selva Vinayaga Nagar, Grant Lyon, Vadagarai, Chennai 600 052. Ph.+91-9444907177

KARNATAKA

Corporate Office:

PRIMADONN CONSTRUCTION CHEMICALS (P) LTD.,

Talacauvery Layout, Basavanagar, Bangalore 560 037. Ph.+9150878429, +91-9345411355.

PONDICHERRY

Branch Office

192/A, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-4208833, 91-+9514709240

Distributors

151, Chinna Subburaya Pillai Street, Near Vaikal Cutting, Puducherry 605 001. Ph.0413-2222100, 91-+9345561820

Email: Info@Primadonn.com, Web: www.Primadonn.com

