

CATEGORY

BUILDING MATERIALS/COMPONENTS



PRODUCT / TECHNOLOGY



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Technology Detail

WATER PROOFING COMPONENTS / ADMIXTURES

Alternative to conventional water proofing components



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CONTACT DETAILS

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BRIEF

CHRYSO offers a comprehensive range of innovative solutions for ready-mix concrete at the plant or on site and a wide range of solutions to cover all wet cast and dry cast requirements. CHRYSO solutions are dedicated to improve concrete performance, production, workability, aesthetics and sustainability.

CHRYSO® STRUCO EXCEL is a heavy duty damp proofing (water repellence) admixture for concrete, mortars and any type of cementitious renders. The presence of this integral compound resists and reverses the normal tendency of hardened concrete to absorb water by capillary action and makes the concrete totally sealed against penetration of water (or liquids). CHRYSO STRUCO EXCEL conforms to IS: 2645-2003.

- Ensure complete water repellent concrete.
- Eliminates / Reduces dampness from the plastered surface of the brick work.
- Protects concrete from weak acid / salt solution, oil and hydrocarbons.
- Prevents / Reduces sweating, efflorescence, saltpeter action.
- Resists fungal growth on the plastered surface of the brick.

CHRYSO CWA10 Crystalline waterproofing admixture protects and waterproofs concrete structures by crystallization. The active chemicals react with moisture and by product of cement hydrate in the concrete resulting in crystalline formation within the pores and capillary tracts of concrete thus waterproofing the structure against penetration of water and other liquids from any direction. CHRYSO CWA 10 gives strong and lasting waterproofing protection from harsh environmental conditions. CHRYSO CWA 10 conforms to IS 2645-2003 and ACI 212.3R-10:

- Mixed with concrete at the time of batching
- Sealing cracks or voids up to 0.5mm by crystal formation
- Protects concrete exposed to harsh conditions.
- Crystals are insoluble in water therefore voids are sealed permanently.
- Compatible with all types of concrete plasticizers / superplasticizers.
- There is no need to alter the existing mix design, just add recommended dosage of CHRYSO CWA 10 in existing design of concrete mix.



SALIENT FEATURES

- Developed very high-range water reducing super plasticizers to deliver better strength and an improved finish of the fresh concrete
- News solutions to increase long distance and vertical concrete pumping. Fostering the production of low CO₂ concrete in partnering with innovative start-up and major players/stakeholders of the construction industry.
- Combines mix design know-how and new concrete solutions to deliver exceptional fluidity, a rapid filling of complex mould and an excellent surface finish quality.

ECONOMIC ASPECTS

- Causes low maintenance cost.

SUSTAINABILITY ASPECT

- No side effect on fresh as well as hardened concrete.
- Fostering the production of low CO₂ concrete in partnering with innovative start-up.

SUITABILITY AND AVAILABILITY

- Non-toxic and non-hazardous for drinking water.
- Compatible with all types of concrete plasticizers / superplasticizers.

LIMITATIONS (IF ANY)

- As per Manufacturer's Specification.

MARKET LINKAGES

- Easily available

MAJOR PROJECTS

- Not reported

CERTIFICATION/INDIAN STANDARD/ENDORSEMENT

- Not reported

