

# CHRYSO CWA 10

Water resisting admixture

## DESCRIPTION

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.

### Domains of Application

•Foundations •Sewage treatment plants •Tunnels and subway systems •Underground structures •Dams •Pre-cast structures •Swimming pools and reservoirs •Plastering of exterior walls •Bridge decks, columns beams, etc. •Roof and podium slabs and any other areas where high hydrostatic pressure is present.

## BENEFITS

- 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
- An integral system application
- Crystals are insoluble in water therefore voids are sealed permanently.
- Non-toxic and non-hazardous for drinking water and aquatic /marine life.
- No side effect on fresh as well as hardened concrete.
- Compatible with all types of concrete plasticizers / superplasticizers.

## INDICATIVE INFORMATION

Product Nature	powder
Color	Grey
Lifetime	12 months
Water solubility	Insoluble
Cl <sup>-</sup> ions content	≤ 0,200 %
Apparent density	0,560 ± 0,020

## METHOD OF USE

### At Batching Plant

CWA 10 is to be added to the concrete during batching process before addition of mixing water subject to the type of batching plant and operation.

### At Pouring Point in Transit Mixer

Calculate total amount of cement/binder present in fresh concrete transported through transit mixer. Make slurry of CHRYSO CWA 10 with water in the ratio of approximately 2:1 by weight (i.e., 2part CHRYSO CWA10 and 1 part potable water)

### Dosage :

0.8 to 1 % by wt. of cement /cementitious binder.

### Implementation :

CHRYSO CWA 10 conforms to IS 2645-2003 and ACI 212.3R-10.

## PRECAUTIONS

Preferably store in sealed conventional containers,protected from extreme weather conditions. Clean all tools and application equipment with water before it set. Clean immediately after use. Hardened / cured material can only be mechanically removed. Packing: 20 kg laminated waterproof HDPE bag

## SAFETY

Prior to any use, please read carefully the Material Safety Data Sheets.