

# CHRYSO CWA 10

Crystalline waterproofing admixture

## DESCRIPTION

CHRYSO®CWA 10 Crystalline water proofing admixture protects and waterproofs concrete structures by crystallization. The active chemicals react with moisture 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 a strong and lasting waterproofing protection from harsh environmental conditions. As site conditions on projects and temperature variations commonly occur please contact your CHRYSO Technical support team for advise on the CHRYSO® CWA 10 admix for your specific project.

## BENEFITS

- Mixed with concrete at the time of batching.
- Can be used for positive or negative waterproofing of concrete structure.
- Protects concrete exposed to harsh conditions.
- An Integral system application.
- Cost effective and system and process friendly.
- Non – Toxic
- Chemical Resistance
- Crack sealing characteristics

## SPECIFICATIONS

Lifetime	12 months
Product Nature	Dry powder
Color	Grey
Equivalent Content $NA_2O$	$\leq -0,35\%$

## PACKAGING

- 25 kg bag

## METHOD OF USE

▪ Dosage may vary according to the use and type of concrete. CHRYSO®CWA 10 is to be added to the concrete during batching process subject to the type of batch plant and operation. Concrete setting is subject to the chemical and physical ratio of the mix in conjunction with site conditions and temperatures. The mix design and dosage should be tailored in conjunction with the CHRYSO Admixture recommendations. Using CHRYSO®CWA 10 will increase the final strength of a normal concrete mix. Ready Mix Plant Wet - Add CHRYSO®CWA 10 with water at ratio of 25Kg CWA powder to 11.3 litres of water, to form a slurry before dosing into the wet concrete that is being batched in the truck. Ready Mix Plant Dry - Add CHRYSO®CWA 10 directly into the drum of the dry mix truck and thoroughly mix the admixture with half of the required water and aggregate. Charge in the remaining ingredient of the design mix and proceed with the batching. In all cases, total quantity of water to be added in the design mix should take into consideration the amount of moisture from aggregate and sand.

### Dosage :

Recommended dosage of between 0.8% and 1% by weight of cement

### Consumption :

Recommended for interior and exterior below enhances protection against concrete decay and waterborne corrosive salts.

Areas of Application:

- Foundations
- Sewage
- Treatment Plants
- Tunnels and subway systems
- Underground Structures
- Dams
- Pre-cast Structures
- Swimming pools and Reservoirs

## PRECAUTIONS

- Protect from humidity.
- This product shouldn't be applied under a temperature lower than 10 °C without preliminary test.

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Chryso  
Concrete  
Solutions

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For a homogeneous mix of CHRYSO®CWA 10 do not add the dry powder into a wet mix as the dry CWA powder will not disperse properly with in the mix.

### SAFETY

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