

Technical data sheet

CHRYSO® Alpha Color 300

Efflorescence Reducer

Description

CHRYSO®Alpha Color 300 contains organic polymers which react with free lime produced during normal hydration in order to produce a hydrophobic material.

CHRYSO®Alpha Color 300 is recommended for all high durability concrete mixes where low water absorption and penetration is required.

Advantages

- CHRYSO®Alpha Color 300 is chloride, bituminous and ammonia free
- CHRYSO®Alpha Color 300 will not promote the corrosion of reinforcing steel
- CHRYSO®Alpha Color 300 will significantly reduce water absorption and chloride ion ingress
- CHRYSO®Alpha Color 300 is an integral waterproofing system that is a permanent solution.
- Low environmental impact
- Reduces efflorescence
- Suitable with most cement types (OPC, SRC and SCMs like GGBS, PFA, SFA and micro silica).

Application Guidelines

Use

- Structural concrete
- Precast concrete
- Piling
- Coastal and marine structures
- Sub surface concrete

Physical and chemical properties

- Physical state: liquid
- Colour: clear to pale yellow
- Specific gravity (25 °C): 1.02 ± 0.01
- pH (working dilution): >9
- Cl⁻ ions content: nil
- Na₂O equivalent: <0.1%
- Freezing point: -1 °C
- Water solubility: Very Good

- Water retaining concrete

- Water treatment works
- Desalination plants

Dosage

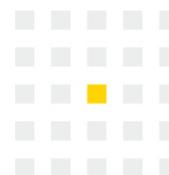
The optimum dosage of CHRYSO®Alpha Color 300 can only be established by using trial tests; taking into account local conditions, materials and specification requirements.

- Typical range: 1.8% dosage per 100 kg of cementitious material
- Recommended range: 1.5 - 2.0 ℓ per 100 kg of cementitious material

Directions for use

- CHRYSO®Alpha Color 300 is completely miscible in water. It should be added along with the mixing water to maximise its effect.

The information contained in this document is given to the best of our knowledge and is the result of objective testing. However, it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be carried out before the product is used to ensure that the methods and conditions of the use of the product are satisfactory. Our specialists remain as the disposal of the users to help with any problem they may have.



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Storage

- Store away from frost.
- CHRYSO[®]Alpha Color 300 should be used in temperatures above 10° C.
- Should the product freeze, its properties can be recovered after thawing and agitating thoroughly
- Shelf life: 12 months

Packaging

- 25 ℓ jerry can
- 200 ℓ drum
- 1000 ℓ flow bin
- Bulk tanker loads
- Delivery on request

Health and safety

- CHRYSO will provide onsite assistance when requested
- For more information refer to the material safety data sheet.

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