

Technical data sheet

CHRYSO® CI

Corrosion Inhibiting Concrete Admixture

Description

CHRYSO® CI is based on Calcium Nitrite, which interacts with the structural steel in concrete to prevent chloride attack.

CHRYSO® CI reacts chemically with steel to maintain a passivating layer when chlorides penetrate the concrete, significantly delaying the rate of corrosion.

Advantages

- Ready to use.
- Compatible with all portland and pozzolanic cements.
- Compatible with CHRYSO plasticisers, retarders, superplasticisers, air entraining agents and other admixtures.

Application guidelines

Use

- Concrete structures
- Below ground structures where saline water is present
- Bridge decks
- Pre-stressed concrete

Dosage

- The optimum dosage of CHRYSO® CI can only be established by using trial tests, taking into account local conditions affecting the workability of the fresh mix and the mechanical properties required of the concrete.

Physical and chemical properties

- Physical state: liquid
- Colour: light yellow
- Specific gravity (25°C): 1.240 (±0.01)
- pH: 10
- Viscosity: 10 secs (ford # 4 cup)

- Typical range: 10-30 g /m³

Dispensing/mixing

- CHRYSO® CI should be added to the mix during the batching process via an automated dispensing system.
- The concrete mix design should take into consideration the water available in CHRYSO® CI.
- To obtain the best results all admixtures should be dispensed separately.

Precautions

- Overdosing may result in increased workability and possible reduction in setting time.

Storage

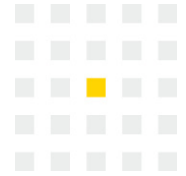
- CHRYSO® ZA 1251 has a shelf life of 12 months starting from the manufacturing date - provided no other chemicals are added to it.
- The product should be stored away from the rain and frost in clean, dry tanks.

Technical data sheet

CHRYSO® CI

Corrosion Inhibiting Concrete Admixture

Revision number: 2
Date: 2019/04/25
Supercedes: 2007/01/17



Packaging

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

Health and safety

- CHRYSO® CI is classified as harmless.
- For more information, please refer to the material safety data sheet.

Disclaimer: The information contained in this document is given to the best of CHRYSO's knowledge and is the result of extensive testing. However, this document will not under any circumstances be considered as a warranty involving CHRYSO's liability in case of misuse. Tests should be carried out before any use of the product to ensure that the methods and conditions of use of the product are satisfactory. CHRYSO specialists are at the disposal of the users in order to help them with any problems encountered.