TECHNICAL DATA SHEET

Chryso
Concrete
Solutions

09/10/2026

DCI-S

Corrosion Inhibitor

DESCRIPTION

DCI-S corrosion inhibitor chemically inhibits the corrosive action of chlorides on reinforcing steel and prestressed strands in concrete. It has been formulated to provide set time characteristics similar to untreated concrete at 22°C. DCI-S is a liquid added to concrete during the batching process. DCI-S corrosion inhibitor is a system containing Calcium Nitrite which interacts with the embedded steel in concrete to prevent salt attack.

By chemically reacting with the reinforcing, a barrier is formed which prevents chloride penetration. Corrosion initiation is delayed and corrosion rates are kept under control. Once corrosion has been inhibited, physical disruption of the concrete due to rust formation will not occur. When added to concrete in sufficient quantity as determined by the anticipated chloride ion content of the concrete over the design life of the structure, DCI-S maintains an active corrosion-controlling system within the concrete matrix. DCI-S complies with AS 1478.1-2000, Type SN.

BENEFITS

- Prevents the corrosion of steel reinforcement in concrete
- Prolongs the durability of concrete

APPLICATION

- Steel-reinforced, post-tensioned and prestressed concrete
- Concrete marine structure

INDICATIVE INFORMATION

Product Nature	Liquid
Color	Brown
Lifetime	12 months
Specific gravity (kg)	1,280 ± 0,020
pH	10,00 ± 1,00

PACKAGING

- Bulk
- IBC 1000L
- 205 L Drum
- Pail

SAFETY

Prior to any use, please read carefully the Safety Data Sheet (SDS).

METHOD OF USE

Dosage :

Recommended dosage rates range from 5 to 30 L / m^3. The level of corrosion protection increases in proportion to the dosage. The project specification indicates the dose rate. In the absence of a specified dosage, or where needed to offset premixed chlorides, call your local Chryso representative.

It is strongly recommended that trial mixes be made several weeks before construction start up. Contact your local Chryso representative for help with trial mixes.

Equipment :

Please contact your local Chryso representative for further information regarding the dispensing equipment for this product.

COMPATIBILITY

- All types of Portland cement, Pozzolans and micro silica
- High-range water reducers such as Chryso®Adva
- Mid-range water reducers such as Chryso®Mira
- Water reducers such as Chryso®WRDA
- Retarders such as Chryso®Daramene and accelerators such as Chryso®Daraset
- Each admixture must be added separately

PRECAUTIONS

DCI-S freezes at approximately -15°C, but its corrosion inhibition and strength gain properties are completely restored by thawing and thorough agitation.

The information contained in this document is given to the best of our knowledge and is the result of extensive and controlled testing. However,it cannot under any circumstances be considered as a warranty involving our liability in the case of misuse. Tests should be con ducted before the product is used to ensure that the methods and conditions of use of the product are satisfactory. Our specialists remain at the disposal of customers if they require help with the application of the product for their specific needs.

14 Colebard Street West, Archerfield QLD 4108, Australia Tel.:AU: 1800 855 525 | NZ: 0800 552 235

chryso SAINT-GOBAIN