

CHRYSO®CORROCRETE

Corrosion Inhibitor

Chryso
Concrete
Solutions

11/10/2024

DESCRIPTION

CHRYSO®CORROCRETE is a bipolar corrosion inhibiting admixture in liquid form for reinforced concrete and mortar. It provides outstanding resistance against corrosion of rebars.

Domains of application

CHRYSO®CORROCRETE can be used in reinforced concrete subjected to aggressive corrosive environment specifically in Chloride induced corrosion. It is very suitable for concrete in foundation sub-structures, Bridges, Tunnels, Retaining Walls, Industrial Plants, Park decks in multistoried car parks etc.

BENEFITS

By using **CHRYSO®CORROCRETE** the anodic and cathodic reaction of the electrochemical corrosion process is being influenced. The product forms a film on the steel surface, which delays the onset of corrosion and reduces the rate of corrosion. The following advantages also can be achieved

Acts as corrosion protection for embedded reinforcing steel especially from the influences of chloride effects. Protects concrete from the destructive influences of reinforcement corrosion. Do not have any negative influences on the properties of fresh and hardened concrete. It is a combination of organic corrosion inhibitors.

FIELDS OF APPLICATION

- All cement types

INDICATIVE INFORMATION

Product Nature	liquid
Color	Colourless
Lifetime	12 months
Water solubility	Completely Soluble
Cl ⁻ Ions content	≤ 0,200 %
Equivalent Content NA ₂ O	≤ 1,00 %
Specific gravity	1,050 ± 0,010
pH	10,00 ± 1,00

METHOD OF USE

CHRYSO®CORROCRETE can be mixed with the gauging water or added directly in the concrete mixer with other admixtures. . It should not be introduced with dry cement. It is used for high quality concrete. General rules for producing good concrete and placing practices must also be observed (see, for example, ACI 318). Optional curing of the fresh concrete must also be practiced. It is compatible with most of CHRYSO range of plasticizers and super plasticizers. The relevant dosage rate of **CHRYSO®CORROCRETE** should be defined based on preliminary concrete trials and the characteristics of the environment the concrete will be exposed to. (See, for example, EN-206 – Exposure classes).

Dosage :

Usual dosage range : between 1 and 3 Kg Per Cum of concrete.

Implementation :

Guideline Followed : IS: 9103-2007, ASTM C-494-2010(Type-D) , JIS-Z-1535 , ASTM G1 & ASTM G 109

PRECAUTIONS

- Do not dilute in water.
- Homogeneise before use.

Not to be stored at high temperatures for long periods. Should be protected from frost. It is Non-toxic and formulated from chemicals which present no fire or health hazards.

Packaging :: 225 Kg Barrel , 1000 Kg IBC & Bulk

SAFETY

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