



Hydraplast CNI

Corrosion Inhibitor

Description

Hydraplast CNI corrosion inhibitor chemically inhibits the corrosion process of reinforcing steel or pre-stress strands in concrete when exposed to chlorides or a marine environment. Hydraplast CNI contain a minimum of 30% calcium nitrite.

Object

As the corrosion reaction occurs in concrete, the reinforcing steel gradually disintegrate while the iron as it oxidizes expands to about four time its original volume. The force of this expansion result in the physical disruption of the concrete. This disruption action can dramatically reduce the serviceable life of structures such as parking garage decks, and support structures, bridge decks, pre-stressed member, and structures in marine environment. Hydraplast CNI chemically reacts with the steel reinforcement creating the protective layer which prevent chloride penetration.

Standard

Meet ASTM C-494 Type C. It 's recommend that Hydraplast CNI is use in strict accordance with manufacture 's recommendations.

Characteristic

Appearance	: Yellowish
Density	: 1.28 ± 0.01
pH	: 8.0-9.5
Freezing Point	: - 10°C
Flash Point	: non-flammable

Instruction for Use

Hydraplast CNI can be use introduced during the batching process or on the job site. Optimum distribution is achieved by addition during batching. Hydraplast CNI can be introduce into any of the concrete material except cement. For the best result, introduce Hydraplast CNI with the mix water. Hydraplast CNI is compatible with other admixtures; however, each admixture should be add to mix separately. With the use of Hydraplast CNI, a mix water adjustment is essential in order to the desired water/cement ratio. The mix water must be reduce by 0.84 L. for each liter of Hydraplast CNI added to mix. Hydraplast CNI will freeze at approximately -15 °C; however, all its performance characteristics are completely restored by thawing and thorough agitation or remixing. Prior to jobsite pours, trial mixes are strongly recommended in order to determine the proper batching sequence and optimum dosage of other admixtures necessary to provide the specified performance characteristics. The recommend dosage range for Hydraplast CNI is from 10-30 L. per cubic meter. Calcium nitrite is an accelerator. As the dosage is increase, corrosion protection is proportionally increased as are the accelerating characteristic. If a slower rate-of-set I desired, a retarder such as Hydratard 11 and Hydratard 33 can be added to mix. Generally, it will be necessary to increase the dosage of the air-entraining admixture to obtain a given air content with the usage of a calcium nitrite inhibitor.

Packaging

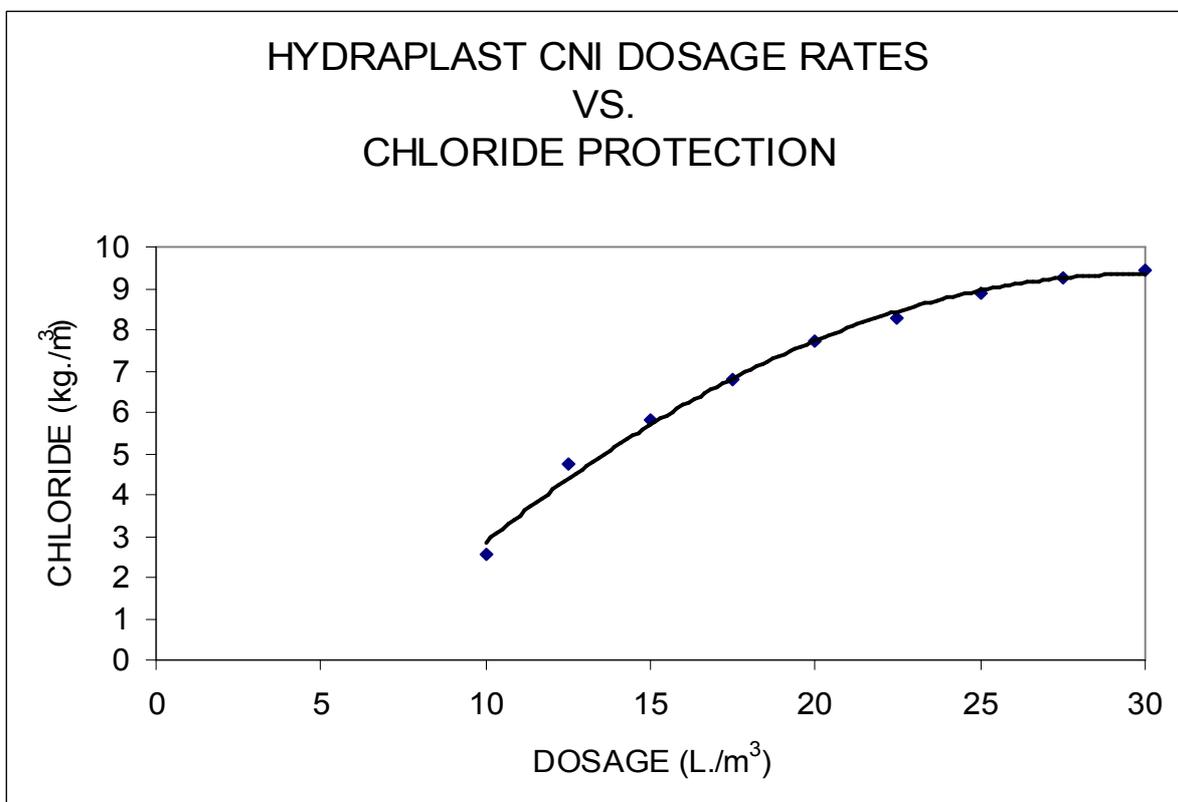
5, 25 and 210 L

Storage

Hydraplast CNI should preferably be or protected from frost. If the product does become frozen, it should be carefully mixed after thawing out to restore it to its normal state. Do not expose to direct sunlight

Precaution

Non-toxic. In case of contact with skin, wash with clean water. In case of eye-contact, wash immediately with an abundance of clean water and contact eye-doctor.



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