

DESCRIPTION

Cormix CI is a liquid concrete admixture for use in reinforced concrete and repair mortars. When **Cormix CI** comes into contact with steel it has an ionic attraction to it forming a protective layer. The CI affinity to metal is greater than water, chlorides and other corrosive materials. **Cormix CI** provides protection to the reinforcement acting as a corrosion inhibitor extending the life expectancy of the structure. It may be used in conjunction with the **Contite crystalline series** of products, which provide concrete corrosion protection giving a total concrete protection solution.

USES & ADVANTAGES

Cormix CI is used in concrete in areas where the reinforcement is in risk of corrosion. It has been developed especially for use where chlorides are in evidence. Typical structures that would incorporate this material are as follows :-

Marine structures, subways in salt bearing ground water, bridges, waste water plants, tunnels, industrial plants, structures exposed to deicing salts such as car parks etc.

Advantages include:

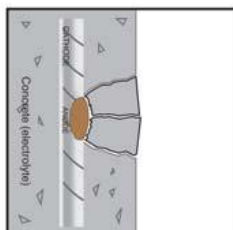
- Reduction of both anodic & cathodic reaction in the electrochemical corrosion process.
- Provides a passive film delaying the start of corrosion and reducing the rate.
- Particular protection against chloride attack.
- No effect on properties of concrete in wet & dry state.
- Non toxic.
- No effect on hydrogen embrittlement of prestressing cables.
- Protection against reinforcement corrosion.
- Used in conjunction with Contite crystalline corrosion protection provides total concrete protection.

PROPERTIES

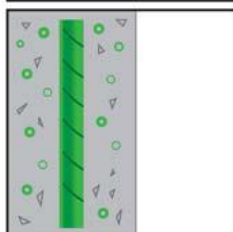
Appearance : Clear to light yellow

Density : 1.03 ± 0.02 kg/ltr.

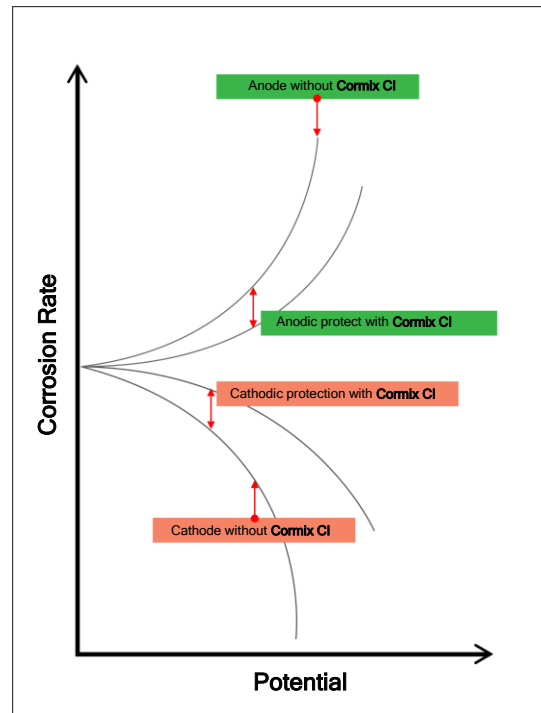
pH : 9-11.



Unprotected Reinforcing Steel



Reinforcing Steel Protected
by **Cormix CI**



DOSAGE

Recommended dosage is 0.6-4.0 litre/cubic metre depending on severity of corrosive environment.

PACKAGING

25 litre & 200 litre plastic drums.

STORAGE

Protect from frost and direct sunlight store at 1°C-35°C

SHELF LIFE

12 months stored in original unopened packaging at temperatures not exceeding 35°C or lower than 5°C.

COMPATIBILITY WITH OTHER ADMIXTURES

Cormix CI is compatible with most Cormix admixture proving trials are recommended to confirm the results.

DOSING

Cormix CI is dosed into the concrete mixes at the same time as the water. It may also be added at the point of placement with at least one minutes extra mixing, before discharge check for uniform consistency. The W/C ratio should be adjusted according to quantity of **Cormix CI** added to the mix. Follow standard good practise for producing high quality, concrete, placing, compaction and curing.

HEALTH & SAFETY

Eye contact : Immediately flood the eye with plenty of water for at least 15 minutes, holding the eye open. Eyelids should be held away from the eyeball to ensure thorough rinsing. Obtain medical attention urgently.

Skin contact : Wash skin thoroughly with soap and water.

Obtain medical attention if blistering occurs or redness persists. Contaminated clothing should be washed or dry-cleaned before re-use.

Ingestion : Do not induce vomiting. Wash out mouth with water. If vomiting occurs naturally, lean victim forward to reduce risk of aspiration.

Obtain medical attention urgently

Inhalation : Remove from exposure. In cases of possible respiratory irritation or if feeling unwell due to prolonged exposure, obtain medical attention.

TECHNICAL SERVICE

The Cormix International Technical Service Department is available to assist you in the correct use of our products and its resources are at your disposal entirely without obligation.

QUALITY ASSURANCE

ISO 9001 : 2015 verified by TUV Nord.

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