

CORCHEM 60I

Bipolar Concrete Penetrating Corrosion Inhibiting Admixture

CORCHEM 60 I is a nitrite/nitrate free liquid corrosion inhibitor for reinforced cement concrete. There is little or no effect on the property of the concrete mix, including compressive strength, set time, air entrainment and workability. **CORCHEM 60 I**, Corrosion Inhibitor can be used in a repair mortar and can be applied by brush or spray over concrete structure to prevent corrosion of embedded steel since it has the unique capability of diffusion and migration into the concrete to protect adjacent existing structural steel reinforcement. **CORCHEM 60 I** reduces chloride and carbon-di-oxide infiltration into concrete surfaces and is more environmental friendly and less toxic than alternatives.

CORCHEM 60 I is a proprietary organic liquid bipolar concrete penetrating corrosion inhibiting admixture for concrete to prevent corrosion of RCC steel anodically and cathodically. It effectively blocks corrosion at both sites and improves corrosion protection of concrete steel reinforced structures exposed to high chloride and certain chemical environments.

USES

CORCHEM 60 I is used in all types of sub grade concrete structures like piling works, basements retaining and diaphragm walls, all RCC structures in marine/ costal areas, bridges, sewage treatment plants, water retaining structures, etc.

ADVANTAGES

Effect on concrete mixes by using the dosage of 1% by wt. of cement

Workability	None
Compressive Strength @ 7 days	None
Compressive Strength @ 28 days	None
Set Time	None
Bond – Mix to Reinforcing Steel	None
Slump	None
Freeze – Thaw Durability	None

There is little or no effect on concrete properties. However, concrete trials shall be carried out with the existing concrete design mix for large job. Test values and results may shift up or down slightly. Contact CICO for specific recommendations before proceeding.

COMPATIBILITY

CICO ANTIFREEZE should be added to gauging or mixing water at the recommended dosage rate but at no point of time, it should be dry mixed with cement.

COVERAGE/DOSAGE

For surface application, dilute **CORCHEM 60I** 1:1 by volume with clean water. Apply this solution liberally with nylon paint brush or pesticide sprayer @ 2-3 m² / litre of diluted solution. For concrete, use 0.6% to 1.2% by wt. of cement depending on the moderate to severe site conditions.



TECHNICAL DATA

Active Ingredients	100%
Colour	Clear (slight yellowish to amber)
Components	One
pH, 1% solution	11-Sep
Rapid Corrosion Test, 24 hrs.	No corrosion spot on test panel
Long term corrosion Test, 30 days (Immersion Wet Loss)	2 mpy (Max using 1% aqueous solution)
Clean up	Water
Dot/Flash Point	Flammable Liquid (39°C)
Shelf Life	12 months if unopened

PACKAGING

5 Lt, 20 Ltr and 200 Lt drum.

Important Note:

All CICO products are sold in the market after strict Quality Control in line of ISO 9001 and guaranteed against any manufacturing defect. Although the basic formulation of Company's products generally remains unchanged, production refinements arising from continuing research and evaluation program may occasionally result in marginal changes in properties. CICO aspires to ensure that any recommendation, advice, test data, specification, method statement and other information given in this product datasheet is accurate and best of company's knowledge. Since, the company (CICO TECHNOLOGIES LTD) has no control over the selection of its product, applicators, application methodology, how and where it is applied, therefore, the company cannot accept any liability directly or indirectly arising from the use of its product. It is important to any customer, user or specifier satisfies him / herself that the product is suitable for the intended purpose including health, safety and environmental aspect. Unless or otherwise agreed in writing, all products of the company are sold strictly pursuant to the terms of our standard conditions of sale which are available upon request. All information and technical assistance is given without warranty or guarantee and is subject to change without notice. All customers, users, specifiers should ensure that they examine the suitability of the product with company's latest product data sheet.

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