



Corrosion Stop

Corrosion Stop inhibits the development of rust on existing rebar embedded in steel reinforced concrete structures. Rust causes deterioration, corrosion, and shortens the service life of reinforced concrete. Atmospheric and environmental conditions accelerate rusting by introducing salts, carbonic acids, water, and oxygen to the metal surface through the porous concrete. Corrosion Stop increases the concrete service life and is the ideal preventative maintenance needed to protect concrete structures and infrastructure from the harsh everyday conditions that produce wear and tear.

Corrosion Stop is an impregnating, Nitrite free and VOC free, amine-based corrosion inhibitor which is attracted to ferrous and non-ferrous metals. Corrosion Stop absorbs into concrete through the surface and migrates, due to its attractive properties, to steel rebar and other metal reinforcements embedded inside the concrete structure. Creating a film on the surface of the steel rebar, the metal surface is protected from anodic and cathodic reactions which prevents the rusting process from proceeding.

Corrosion Stop is an easy, non-destructive way to protect and extend the service life of existing structures. This nitrite free and VOC free product is spray applied to the concrete surface and doesn't change the existing characteristics of the concrete in any way.

Factors that contribute and intensify the rusting process of rebar include:

- Water
- Humidity
- Saltwater Air
- Oxygen
- Carbon Dioxide
- Deicing salts
- Warm Weather
- Concrete Age

Corrosion Stop is utilized in protecting:

- Jersey Barriers
- Highway Structures
- Bridges
- Parking Garages
- CIP, Precast, and Post Tension Concrete
- Marine Barriers
- Building Exteriors

Coverage:

2-3 coats are required depending on the absorption rate of the concrete surface. The sum of the layers applied will total a spread of 100 sqft per gal.

Surface Prep:

Concrete surfaces must be clean and free of surface coatings, dirt, and debris. Power washing the surface may be necessary to remove existing surface coatings. Substrate should be dry prior to application.

Application:

May be applied using an airless, battery powered, or pump sprayer. May also be applied using a brush or roller if needed. Apply 2-3 coats of the product or more until to reach a spread of 100 sqft per gal. Allow each coat to absorb for 20-30 minutes between applications.

Surface Repairs:

When repairing concrete surfaces over areas where Corrosion Stop was applied, allow the corrosion inhibitor to absorb for 24 hours prior to making repairs. Use **Bone Dry Degreaser** to remove over applied product and residue from the surface of the concrete prior to making concrete repairs. Horizontal surfaces may be auto scrubbed, or pressure washed to remove the residue. Vertical surfaces may be pressure washed or rinsed.

Protections and Limitations:

Protect finishes including finished metals, wood, and brick to avoid discoloration. Concrete must be above freezing to apply material and maintain above freezing temperatures for 12 hours after application.

Contact

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