

CORCHEM[®] 60 CORROSION INHIBITOR

GENERIC Proprietary technology organic modified liquid amine admixture for concrete formulated to prevent corrosion anodically and cathodically, effectively blocking corrosion at both sites for improved corrosion protection of concrete steel reinforced structures exposed to high chloride and certain chemical environments.

DESCRIPTION A liquid corrosion inhibitor to be added in small quantities to mixes of Portland Cement. There is little or no effect on the property of the concrete mix, including compressive strength, set time, air entrainment, and workability. CORCHEM[®] 60 Corrosion Inhibitor, when used in a repair mortar, has the unique capability of diffusion and migration into the concrete and traveling some distance to protect adjacent existing structures. This is an extremely important and valuable benefit because it prevents the “Halo” effect of surrounding existing concrete deteriorating within a year or so due to new cathodic steel being adjacent to chloride contaminated areas. Further, there is no condition or concentration that will cause accelerated corrosion of reinforcing steel when exposed to chlorides. CORCHEM[®] 60 Corrosion Inhibitor reduces chloride infiltration into concrete surfaces and is more environmentally friendly and less toxic than alternatives.

USE Introduce the CORCHEM[®] 60 Corrosion Inhibitor to the concrete batch after adding the water. It is soluble in water and you may add it to the water before the water is incorporated. For limited use, you may add it by pouring into the mix truck. For large jobs, a metering pump installation is used. Use CORCHEM[®] 60 Corrosion Inhibitor at the rate of one pint per cubic yard, or 0.6 liter per cubic meter. A single 55 gallons drum is enough to treat up to 440 cubic yards of concrete mix. For severe chloride environments, up to twice this amount may be added for additional protection with no detrimental effects.

SERVICE LIMITATIONS

Effect on concrete mixes:

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, you should conduct a trial test and evaluation with the cement mix for the job. Test values and results may shift up or down slightly. CONTACT CORCHEM[®] FOR SPECIFIC RECOMMENDATIONS BEFORE PROCEEDING.

ACTIVE INGREDIENTS	100%
COLORS	Clear (amber)
COMPONENTS	One
CLEAN UP	Water
PACKAGING	1-gallon [3.8 liters] plastic jugs, 5-gallon [19 liters] plastic pails, 55-gallon [209 liters] drums.
SHELF LIFE	2-years from shipment date protected between 40°F and 100°F.
DOT/FLASH POINT	Flammable Liquid Classification / 103°F (39°C) T.C.C.
PERFORMANCE DATA	Contact CORCHEM® for desired information.
MIXING & USE	All equipment should be clean and flushed with water. Stir thoroughly. Do not vary proportions. Add CORCHEM® 60 Corrosion Inhibitor to the concrete batch after adding the water. Completely mix. Clean up equipment with water.
CLOTHING	Wear protective garments, shoes, goggles, and filter masks. Use protective barrier creams on exposed skin areas.
<u>CONFINED SPACES</u>	Use explosion-proof lighting and electrical equipment, non-sparking tools, clothes and shoes. Wear properly fitted appropriate NIOSH/MSHA approved fresh air respirator such as MSA or equal with 1/4" I.D. or larger air supply line connected directly to proper air source during and after use unless air monitoring demonstrates vapor/mist levels are within safe limits. CAUTION! Air circulation and exhausting of vapors must be continued until no potential for fire or health hazard remains.

SAFETY INFORMATION

THIS PRODUCT CONTAINS AMINE COMPOUNDS. DO NOT USE IF YOU HAVE HAD A REACTION TO THESE MATERIALS.

WARNING! FLAMMABLE! VAPOR HARMFUL! CAUSES SEVERE EYE AND SKIN BURNS. MAY CAUSE SKIN SENSITIZATION OR OTHER ALLERGIC RESPONSES. HARMFUL OR FATAL IF SWALLOWED!

Keep away from heat, sparks, and open flame. Use only with adequate ventilation. Prevent breathing of vapor or mists. Wear a properly fitted appropriate respirator during use and until all vapors and mists are gone. Prevent contact with eyes and skin. Do not take internally. Keep closures tight and upright to prevent leakage. Keep container closed when not in use. In case of spillage, absorb and dispose of in accordance with local applicable regulations. **FIRST AID:** In case of skin contact, wash thoroughly with soap and water; for eyes, flush immediately with plenty of water for 15 minutes and call a physician. Remove and wash contaminated clothing before reuse. (Discard contaminated shoes). If inhaled, remove to fresh air. If breathing difficulty persists or occurs later, consult a physician and have label and MSDS information available. If swallowed, **CALL A PHYSICIAN IMMEDIATELY. DO NOT INDUCE VOMITING.**

IN CONFINED SPACES AND TANKS OBEY SPECIAL SAFETY AND EQUIPMENT INSTRUCTIONS!

FOR INDUSTRIAL USE BY PROFESSIONAL APPLICATORS ONLY. NOT INTENDED FOR SALE TO THE GENERAL PUBLIC. This product should not be sold or delivered to any person under 18 years of age. KEEP OUT OF THE REACH OF CHILDREN! IF, FOR ANY REASON, ADDITIONAL PRODUCT AND SAFETY INFORMATION, INSTRUCTIONS OR EXPLANATIONS ARE NEEDED, CONTACT CORCHEM IMMEDIATELY!

LIMITED WARRANTY

WARRANTY & LIMITATION OF SELLER'S LIABILITY: CORCHEM[®] CORPORATION warrants only that its product represented herein meet the formulation standards of CORCHEM[®] CORPORATION.

THE ABOVE WARRANTY SHALL BE IN LIEU OF ANY OTHER WARRANTY, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO, ANY IMPLIED WARRANTY OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE. THERE ARE NO WARRANTIES THAT EXTEND BEYOND THE DESCRIPTIONS ON THE FACE HEREOF.

The buyer's sole and exclusive remedy against CORCHEM[®] CORPORATION shall be for replacement of the product in the event, a defective condition of the product should be found to exist. NO OTHER REMEDY (INCLUDING, BUT NOT LIMITED TO, INCIDENTAL OR CONSEQUENTIAL DAMAGES FOR LOST PROFITS, LOST SALES, INJURY TO PERSON OR PROPERTY, OR ANY OTHER INCIDENTAL OR CONSEQUENTIAL LOSS) SHALL BE AVAILABLE TO THE BUYER. The sole purpose of this exclusive remedy shall be to provide buyer with replacement of the product if any defect in materials is found to exist. This exclusive remedy shall not be deemed to have failed its essential purpose so long as CORCHEM[®] CORPORATION is willing and able to replace the defective materials.

Technical and usage information is provided for the purpose of establishing a general profile of the product and proper usage procedures. Test performance results were obtained in a controlled environment and CORCHEM[®] CORPORATION makes no claim these tests or any other tests, accurately represent all environments. As usage, environmental and design factors can vary significantly, due care should be exercised in the selection and use of the product.

PUBLISHED TECHNICAL DATA AND INSTRUCTIONS ARE SUBJECT TO CHANGE WITHOUT NOTICE.
CONTACT YOUR CORCHEM[®] REPRESENTATIVE FOR CURRENT TECHNICAL DATA AND INSTRUCTIONS.

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