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Attention: New Product Editor

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PRODUCT NEWS RELEASE

New Corrosion Inhibiting Concrete Admixture Tolerates Extreme Temperature Conditions.

MCI®-2005 AL is the newest addition to the water-based MCI® concrete admixtures offered by Cortec® Corporation. MCI®-2005 AL offers several unique features compared to other concrete admixtures. First, MCI®-2005 AL has a higher tolerance for extreme cold and hot temperatures. Unlike some products, MCI®-2005 AL is not affected by freezing, allowing it to be shipped under all types of weather conditions. Second, MCI®-2005 AL does not emit irritating odors, making it easy to work with. Finally, MCI®-2005 AL admixture is non-hazardous, non-toxic and does not contain any calcium nitrite.

Like the rest of Cortec's MCI®-2005 series products, MCI®-2005 AL is based on aminocarboxylate technology and provides excellent corrosion protection for steel reinforcement, carbon steel, galvanized steel, and other metals embedded in concrete structures. MCI®-2005 AL has set times similar to that of a control concrete mix. Testing performed on MCI®-2005 AL shows a significant reduction in corrosion rates, improvement in compressive and flexural strengths, and no effect on concrete set times.

MCI®-2005 AL is easy to use and can be added directly to the mix at the ready-mix plant, ready-mix truck drum, or portable mixers. MCI®-2005 AL incorporates Cortec's revolutionary Migratory Corrosion Inhibitor Technology (MCI®) that is proven to extend the life of concrete structures. When added to a concrete mix, MCIs migrate through the concrete forming a protective layer on embedded reinforcement that prevents corrosion caused by carbonation, chlorides, and atmospheric attacks. MCI®-2005 AL is available in 5 gallon (19 L) pails, 55 gallon (208 L) drums, liquid totes and bulk.



MCI®-2005 AL is a non-toxic, environmentally friendly corrosion inhibiting concrete admixture that tolerates extreme temperatures.

	Without MCI®-2005 AL	With MCI®-2005 AL
Slump (in)	3	3.5
Temperature (F)	68	68
Unit Weight (lb/ft³)	149.8	149.2
Initial Set Time (hr:min)	4:32	4:17
Final Set Time (hr:min)	7:00	6:50
7-day Compressive Strength (psi)	5120	5640
28-day Compressive Strength (psi)	7000	7530
7-day Flexural Strength (psi)	610	690
28-day Flexural Strength (psi)	890	1120

MCI®-2005 AL improves compressive and flexural strengths without affecting set times.

Photos: High-resolution photos of Cortec® MCI®-2005 AL are available for download at:
<http://www.blueleopard.net/cortecdownload/mci-2005AL>

Company Description: Cortec® Corporation is a pioneer of environmentally friendly, corrosion protection Vapor phase Corrosion Inhibitors (VpCI™) & Migratory Corrosion Inhibitors (MCI®) technologies for the Packaging, Metalworking, Construction, Electronics, Water Treatment, Oil & Gas and other industries. Headquartered in St. Paul, Minnesota, Cortec® manufactures over 400 products distributed worldwide. ISO 9001 & ISO 14001:2004 Certified.

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