



## MIGRATORY CORROSION INHIBITOR (MCI®) PRODUCTS FOR CONCRETE



# MCI® Construction Film

### DESCRIPTION

MCI Construction Film is a blue colored polyethylene film designed for use in the construction industry. Unlike conventional plastic films used for interleaving, vapor barriers, etc., MCI Film contains technology to inhibit corrosion of both ferrous and non-ferrous metals. In areas where conventional films are used, metal parts that come in contact with the film are susceptible to corrosion. The technology incorporated into MCI Film inhibits corrosion on metal parts and structures it is used with.

Not only does MCI Construction Film inhibit corrosion on metallic surfaces that it is in contact with, it also protects other metal parts via vapor phase inhibitors. These inhibitors migrate through the air to reach and protect metal surfaces that are not in direct contact with MCI Construction Film. When MCI Construction Film is used between concrete and metal studs it not only stops the corrosion that can occur at the contact points, it also protects the rest of the stud, adding to the life of the structure.

MCI Construction Film is an excellent replacement for conventional polyethelene sheeting used in the construction industry. It does not contain free amines, phosphates, or halogens. MCI Construction Film is also non-toxic and 100% recyclable.

### ADVANTAGES

- Provides multimetal protection
- Void spaces and recessed areas are protected
- Economical
- Provides UV protection
- High puncture and tear resistance
- Good moisture barrier
- Recyclable

### METALS PROTECTED

- Carbon steel
- Stainless steel
- Galvanized steel
- Aluminum and alloys
- Copper and alloys
- Zinc

### TYPICAL MECHANICAL PROPERTIES

Property	Test Method	Units	Value*
Thickness	ASTM D6988	mil	4.00
Breaking Factor	ASTM D882-02	lbs/in	18/19
Tensile Strength at Break	ASTM D882-02	psi	44423/4357
Elongation at Break	ASTM D882-02	%	778/835
Yield Strength	ASTM D882-02	psi	1334/1610
Tear Strength	ASTM D19222-06a	mN	11160/15413
Puncture Resistance	MIL-STD-3010B	lbf	6.02
Dart Drop Impact Resistance	ASTM D1709-04, Test Method A	grams	791

\*Machine direction/cross direction

### PACKAGING AND STORAGE

MCI Construction Film is available in an 4 mil gauge ranging in widths from 3" to 32' (7.6 cm-9.75m). Contact Cortec® for minimum quantities and specific sizes . Stock size is 20'x100' (6.1m-30.5m) Shelf life is 2 years.



**MIGRATING CORROSION INHIBITORS**  
FROM GREY TO GREEN

**FOR INDUSTRIAL USE ONLY**  
**KEEP OUT OF REACH OF CHILDREN**  
**KEEP CONTAINER TIGHTLY CLOSED**  
**NOT FOR INTERNAL CONSUMPTION**  
**CONSULT MATERIAL SAFETY DATA SHEET FOR MORE INFORMATION**

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