



**PRODUCT SELECTOR GUIDE – Concrete Pipe & Manholes**

**INTERNAL APPLICATIONS**

Standard ASTM Reinforced Concrete Pipe	System 1, 2 or 3 (see over)	60 mils (1500 microns) or more
Non-Standard Pipe - Rough Surface	System 1, 2 or 3 (see over)	60 mils (1500 microns) or more
Prestressed Concrete Cylinder Pipe	System 1, 2 or 3 (see over)	25 mils (625 microns) or more
Precast Panels and Manholes	System 1, 2 or 3 (see over)	60 mils (1500 microns) or more
Poured in Place Concrete	Flexcell II TX	60 mils (1500 microns) or more
Severe Abrasion	Corropipe II Abrasion	Contact Madison

**EXTERNAL APPLICATIONS**

Standard ASTM Reinforced Concrete Pipe	Corropipe II TX-15 (CM) version available	40 mils (1000 microns) or more
Precast Panels and Manholes	System 1, 2 or 3 (see over)	60 mils (1500 microns) or more
Prestressed Concrete Cylinder Pipe	Corropipe II TX-15 (CM) version available	30 mils (750 microns) or more
Severe Abrasion	Corropipe II TX-15 (CM) version available	Contact Madison

**JOINTS**

Bells and Spigots	System 1, 2 or 3 (see over) Corropipe 'S' 'GP' II (E) Touch Up (ALL SHARP EDGES SHALL BE ROUNDED)	40 mils (1000 microns) or more
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**REPAIRS**

Corropipe II WasteLiner Corropipe WasteLiner PC Mastic Corropipe II TX-15 Corropipe II Slow Set Corropipe II Abrasion Flexcel II TX	'TX' Touch Up 'GP' II (E) Touch Up	As required
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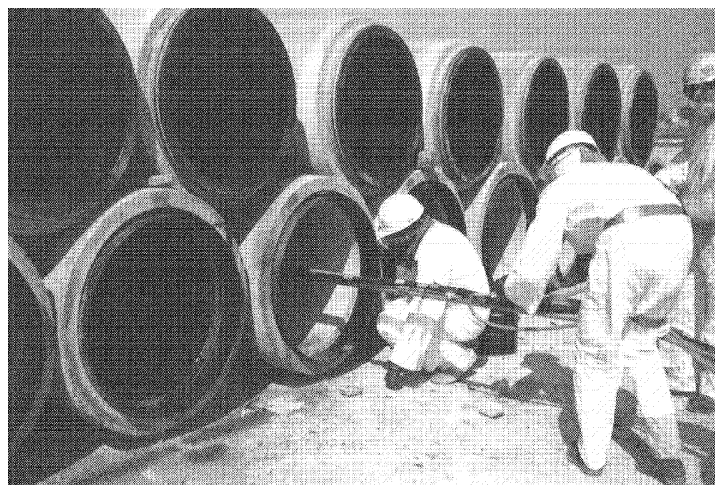


**For specific application recommendation contact Madison Chemical.  
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Concrete is one of the most widely used construction materials in wastewater collection and treatment systems. Unfortunately, significant corrosion can occur to concrete when microbiological based corrosion is not controlled.

Madison Chemical's polyurethane protective coatings have been protecting underground structures such as steel fuel storage tanks, steel oil and gas pipelines, ductile iron sewage pipelines, and concrete pipelines for over 20 years without a failure.

Packer, dry/wet cast or prestressed, it doesn't matter what type of concrete it is, our coating systems work equally well.



Of course, surface preparation and the coating thickness may vary depending on the pipe surface, but the coating application and performance remain the same.

Madison has developed three alternative approaches for protecting concrete pipe that is exposed to microbiologically induced corrosion.

Each alternative is based on the different needs of the concrete pipe manufacturer. For the end user and designer, all three of the alternatives are effective methods of protecting the concrete substrate from corrosion. In fact, it is as simple as 1-2-3.

	<b>System One</b>	<b>System Two</b>	<b>System Three</b>
<b>Product Name</b>	WasteLiner PC Mastic <b>(CM, AM Version Available)</b>	Corropipe II Slow Set <b>(CM, AM Version Available)</b>	Corropipe II WasteLiner <b>(CM, AM Version Available)</b>
<b>Product Description</b>	one-component polyurethane system	two-component polyurethane system	two-component polyurethane system
<b>Initial Setting Time</b>	4 hours @ 70°F (21°C)	1- 1.5 hours @ 70°F (21°C)	10 minutes
<b>Cure to Handle Time</b>	8 hours @ 70°F (21°C)	2 - 3 hours @ 70°F (21°C)	20 minutes
<b>Surface Preparation (All Concrete Types)</b>	Sandblast	Sandblast	Sandblast
<b>Application Temperature</b>	32°F(0°C) to 140°F(60°C)	15°F(-10°C) to 150°F (65°C)	-40°F(40°C) to 150°F (65°C)
<b>Tensile Adhesion to Concrete</b>	exceeds cohesive strength of concrete > 300 psi	exceeds cohesive strength of concrete > 300 psi	exceeds cohesive strength of concrete > 300 psi
<b>Resistance to External Water Pressure</b>	exceeds 500 feet of head	exceeds 500 feet of head	exceeds 500 feet of head
<b># of Coats Required on Dry Cast Pipe</b>	2 coats	4-5 coats	1 coat, multiple pass
<b>Application Method</b>	by hand with rollers or brush	single component, airless spray system, roller or brush	two component, airless spray system
<b>Cure Time Before Immersion Service</b>	10 days @ 70°F(21°C)	5 days @ 70°F(21°C)	8 hours @ 70°F(21°C)