CONCRETE AND MANHOLE REHABILITATION

INFRAGARD TOP COAT

Two component 100% solids thermosetting epoxy top coat.

- Spreads easily
- Convenient to use
- Outstanding results on small or big jobs
- Corrosion resistant
- Creates a new lining within the manhole
- Stops Leaks

CHIM COAT

Scientifically formulated flexible two part epoxy chimney coating.

- Expands and contracts with changing temperatures
- + All the same features as Infragard

PRIMER/SEALER

- Two part epoxy system
- Easy application with a garden sprayer to wet or dry surfaces

FEATURES

- **Easy** to apply trowel on application
- **Cost** effective
- **Environmentally** friendly/Non Hazardous
- **Zero VOCs**
- **Minimal** inconvenience to traffic
- **Ambient** cure two part Epoxy
- **High** performance corrosion resistance
- **High** compression and tensile strength
- **Conforms** to any shape
- **Bonds** to both damp and dry surfaces
- **Prevents** infiltration and ex-filtration
- **High** performance durability
- **Technical** support

The Infrastructure Repair Concrete Manhole Rehabilitation Products are two component 100% solids thermosetting epoxy that are to be applied from 120 to 150 mils or as required by qualified design engineers to either wet or dry surfaces.

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Table 1
ASTM 543
(Minimum Chemical Resistance Requirements for Domestic Sanitary Sewer Applications)

Chemical Solution	% Of Concentration
Tap Water pH 6-9	100%
Nitric Acid	5%
Phosphoric Acid	10%
Sulfuric Acid	10%
Gasoline	100%
Vegetable Oil	100%
Detergent	0.1%
Soap	0.1%

Minimum One Month at 73.4° F (23° C)

Table 2
Mechanical and Physical Properties

Test Method	**Results**		
ASTM D 638	Tensile Strength	Tensile Modulus	Elongation Strength
	8,228 psi	463,516 psi	1.886%
ASTM D 695	Compressive Strength	Compressive Modulus	
	13,627 psi	542,290	
ASTM D 790	Flexural Strength	Flexural Modulus	
	16,917 psi	465,306 psi	
ASTM D 2240	Hardness Mold Side		
	84.7	Average after high & low reading discarded	

Tensile Pull Off Strength

Test Method	Substrate	Tensile Pull Off Strength
ASTM C 297	Steel	1101 psi (average 2 tests)

	Concrete	**>464 psi (average 3 tests)**

Visual Observations

Steel Substrate: **60% Cohesive Failure of Epoxy; 40% Adhesion failure**
Concrete Substrate: **100% Failure of Concrete Substrate**

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