



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.

PH: 877-327-4216 FAX: 727-327-4118 EMAIL: irsi@irsi.net WEB: www.irsi.net

Concrete and Manhole Rehabilitation Products

ASTM 543

Chemical Resistance Test Results for Domestic Sanitary Sewer Applications
Minimum One Month at 73.4° F - 23° C

Chemical Solution	% Of Concentration
Tap Water pH 6-9	0.0%
Nitric Acid	0.0%
Phosphoric Acid	1.8%
Sulfuric Acid	17.9%
Gasoline	6.5%
Vegetable Oil	1.2%
Detergent	0.01%
Soap	0.01%

Table 2
Mechanical and Physical Properties

Test Method	Results		
ASTM D 638	<u>Tensile Strength</u>	<u>Tensile Modulus</u>	<u>Elongation Strength</u>
	8,228 psi	463,516 psi	1.886%
ASTM D 695	<u>Compressive Strength</u>	<u>Compressive Modulus</u>	
	13,627 psi	542,290	
ASTM D 790	<u>Flexural Strength</u>	<u>Flexural Modulus</u>	
	16,917 psi	465,306 psi	
ASTM D 2240	<u>Hardness Mold Side</u>		
	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



Concrete Pulled Out @ 464 psi.