



TECHNICAL DATA SHEET

Infragard Trowel System EM 143 A/B Medium

**INFRASTRUCTURE
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DESCRIPTION:

Infragard Trowel System is a high quality 100 % solids epoxy mastic system specifically designed for the demanding task of manhole rehabilitation, sewer line repair and other cement, concrete, or brick bonding applications. The material itself features a highly thixotropic paste like consistency which mixes easily but hangs well in thick sections on both vertical and overhead surfaces. The material is supplied in a convenient and easy to use 2 to 1 by volume ratio, it should be well mixed scraping the bucket sides and bottom in the mixture then used immediately.

The material cures to a tough, hard, blush free, white plastic, with good physical properties such as water, chemical and solvent resistance. It has a high adhesive strength, impact strength, and the flexibility necessary to withstand thermal expansion and contraction.

As with all adhesive compounds, proper surface preparation is essential for good bond strength and satisfactory results. Proper surface preparation techniques may include degreasers, steam, pressure, solvent washes, sand blasting, grinding or the use of Biocides and Priming with our Aqueous Primer Sealer or equivalent product.

To seal a manhole from water infiltration all water leaks and seepages must be stopped prior to the application of this material using standard industry techniques.

	Trowel-on Base Resin	Trowel-on Activators
Appearance:	White Paste	Amber Paste
Weight Per Gallon:	9.6 (+/- .1) lb/gal	8.6 (+/- .1) lb/gal
Mix Ratio by Volume	2 Parts A to 1 Part B by volume (100 A to 45 B by weight)	
Gel Time	12 to 20 min. in a 1/2 pound mass / Full Cure in 10 to 24 Hours	
Hardness	75 to 80 Shore D	
Temperature	Use Range (-40 to 150° F)* / Heat Distortion temp. 126° F *	
Tensile Lap Shear	Generally > 2400 psi (.5 inch overlap on etched Aluminum) *	
Elongation	3 to 5 % *	
Shelf Life	1 Year guarantee for all products	

(*) denotes data extrapolated from known sources. All Gel and Cure times are taken at Room Temperature (77° F) and will be extended at lower temperatures, cure time represents full cure but material may be well set to the touch in a much shorter time.

This material is for professional use only, using adequate ventilation and protection from eye and skin exposure. Any information supplied with this material is given in good faith but should be verified by the end user, as is the suitability of the material for their application. The warranty of this material shall be limited to the replacement of defective material.