Res-Tank

Metal Tank Epoxy Coating System

#1005

Introduction

A resilient, chemically resistant 100% solids Epoxy Coating.

Product Description

- 2-Part, 100%/Total Solids Metal Tank Epoxy Coating System Consisting of:
  - Part A – Pigmented Resin and Part B – Hardener
- High Gloss, Good Color Retention, Good Aesthetics
- U.S.D.A. Compliant
- V.O.C. Compliant/Low Odor/Solvent Free
- Self-Priming
- Easy to Clean Hygienic Surface
- Resin Rich Surface Helps to Resist Bacterial Growth
- User Friendly Mix Ratio of 2:1 by Volume
- Apply with Roller or Spray

Special Features

- Good UV Resistance
- Excellent Adhesion to Most Clean Metal (except stainless steel)
- Built in Resiliency for Thermal Shock
- Good Abrasion and Impact Resistance
- Can be Applied Indoors or Outdoors
- Good Chemical Resistance
- Cures to a Smooth Glossy Finish
- Made with Materials Produced in North America

Metal Coating Applications

- Steel I-Beams
- Railcars
- Metal Pipes and Tanks
- Steel Decking

Precautions

As with all epoxies, good hygienic habits must be observed and the wearing of protective clothing and gloves is advised. Before using any of the products, please read their respective safety data sheets.

Packaging

Res-Tank is available in the following pre-measured package sizes:
One Gallon Pack (160 SF @ 10 mils)
2 ½ Gallon Pack (400 SF @ 10 mils)
4 Gallon Pack (640 SF @ 10 mils)
55 Gallon Drum Pak (available upon request)

Coverage will vary depending on surface texture.

Priming

Res-Tank is self-priming and does not need a Primer on Clean Metal

Setting Times

Available in either regular or fast set versions:
Regular Set - For temperatures 60°F and higher
Fast Set - Please Consult Factory
See Set Time Chart on back page for various setting times.

Mixing

Measuring Instructions:
Part A to B, 2:1 by volume
Pre-Mix Part A for about 20 seconds
Pre-Mix Part B for about 20 seconds
Pre-Measured Kits:
Add Part B to Part A, and Mix for 20Sec.
Use a Variable Speed Drill, with a Mixing Blade (Drywall Mixer Blade) that is ⅓ the Diameter of the Mixing Bucket
Mix to uniform consistency, no longer than 20 seconds
The longer it is mixed, the shorter the pot life. Average pot life is 30-40 minutes. **Larger mix material, when standing, will shorten the pot life.**

Colors

Black, Gray, Dark Gray.
Special colors are available upon request (additional charges may apply)

Clean Up

Res-Tank, while still wet, can be cleaned up with warm soapy water, but if allowed to set then mechanical

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	cleaning or the application of a very strong paint stripper will have to be used.

Density (lbs./gallon)
Part A: 10.56
Part B: 8.56
Mixed A & B: 9.89

Theoretical Coverage
1 Gallon Pack – 160 SF @ 10 mils

VOC Content:
<56 g/L per ASTM D-2369-01

Mixing Ratio by Volume
Part A:Part B – 2:1

1-Gallon Kit (Lbs)
Part A: 7.04
Part B: 2.85
Total weight per gallon: 9.89

Set Times (Slab Temperature)	60°F.	73°F.	90°F.
Pot Life	50 Minutes	40 Minutes	20 Minutes
Recoat Time - Floors	12 Hours	8 Hours	6 Hours
Recoat Time - Walls	9 Hours	6 Hours	4 Hours
Foot Traffic	18 Hours	12 Hours	10 Hours
Full Chemical Resistance*	9 Days	7 Days	5 Days

* Refer to Chemical Resistance Chart

ASTM	TEST METHOD @ 73°F.	Results
D695	Compressive Strength	7000 psi
D695	Percent Compressive Resiliency	60%
D695	Compressive Strength @ Yield	2500 psi
D695	Percent Compressive Resiliency @ Yield	9%
D790	Flexural Strength	2700 psi
D790	Flexural Modulus of Elasticity	6.5 x 105
D638	Tensile Strength	1600 psi
D638	Percent Tensile Elongation	18%
D4541	Bond Strength to Concrete	Failure in Concrete
C884	Thermal Compatibility to Concrete	Pass
D570	Absorption	Less Than .1%

*Above ASTM figures are within a +/- 5% tolerance