ResFloor-TL30

Heavy Duty Trowelable Floor System

#2000

Introduction

ResFloor-TL30 is a User Friendly, Time Saving Flooring System with a 30-40 Min Pot Life that will Set up for Foot Traffic within 4 Hrs(73ºF)

Product Description

- 3-Part, 100% Total Solids Heavy Duty Epoxy Floor System Consisting of:
  - Part A–Resin
  - Part B– Hardener
  - Part C– Fillers(98% Dust Free) plus pigment
- V.O.C. Compliant/Low Odor/Solvent Free
- Self-Priming
- Easy to Clean Monolithic Surface
- Supplied in Pre-measured kits

Special Features

- Excellent Adhesion to "**GREEN**" Concrete, No Primer Needed
- Passes **ASTM C-884** for Thermal Compatibility with Concrete
- Resilient, Tolerates Concrete Movement
- **4 Hr Set Time at 73ºF**
- Non-Porous
- U.S.D.A. Compliant
- Excellent Adhesion to Clean, Sound Concrete
- Absorbs Thermal Shock
- High Abrasion and Impact Properties
- Application Indoors or Outdoors
- Outstanding Resistance to a Wide Range of Chemicals and Cleaning Products
- Made with Materials Produced in North America
- Fast Turn-around Time

Concrete Finish

- **ResFloor-TL30** Must Be Applied to a Wood Float or Textured Finish (Not Smooth)
- Smooth Concrete Must be Shot-Blasted or Scarified Prior to Application

Applications

Breweries. Food and Beverage Plants. Dairies. Pharmaceutical. Meat Packing. Poultry. Heavy Industrial.

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 and installation guide.

Packaging

ResFloor-TL30 is available in the following pre-measured kit sizes:
4 Gallon Pre-Measured Kit (25SF @ ¼" Thick)
4 Gallon Kit Consists of:
Part A- 7.80 lbs.
Part B- 2.80 lbs
Part C- 50 lbs.
Bulk Kits (contact factory)

*Small bag of Tint supplied with the Filler
*Coverage will vary depending on surface texture.

Priming

ResFloor-TL30 Does Not Require a Primer on Clean, Sound and/or Green Concrete; However, we recommend Priming to Help Reduce Outgassing, Blistering, etc.

*Refer to Primer Product ResPolyPrime #3000

Setting Times

ResFloor-TL30 Is a User Friendly, Unique System with a 30-40 Min Pot Life that Will Set up for Foot Traffic within 4 Hrs(73ºF); Recommended for Surface Temperatures above 40ºF, Please Consult Factory for Applications below 40ºF

*See Set Time Chart on back page for various setting times.

Mixing

Pre-Measured Kits:
Add Part B to Part A, and Mix for 20Sec
Add Part C with Pigment to Above, and Mix for 30Sec to a Uniform Consistency
Use a Variable Speed Drill, with a Mixing Blade (Drywall Mixer Blade) that is ⅓ the Diameter of the Mixing Bucket

*Mixing and application instructions are available upon request.

Colors

Gray, Dark Gray, Brick Red

*Special colors are available upon request (add'l charges may apply)

Clean Up

ResFloor-TL30, while still wet, can be cleaned up with a scouring pad and warm soapy water, but if allowed to set then mechanical cleaning or the application of a Suitable Paint Stripper.

ResFloor-TL30

Heavy Duty Trowelable Floor System

Density (lbs./gallon)
Part A: 9.49
Part B: 9.17
Mixed A & B: 10.60

Mixing Ratio by Volume
Part A:Part B – 2.7:1
A&B Mixed : C is 1:3

Theoretical Coverage
4 Gallon Kit = 25 SF @ ¼" Thick

VOC Content:
<32 g/L

Set Time Guidelines

Set Times (Slab Temperature)	60°F.	73°F.	90°F.
Pot Life	50 Minutes	40 Minutes	20 Minutes
Foot Traffic	6 Hours	4 Hours	2 Hours
Heavy Traffic	14 Hours	12 Hours	10 Hours
Full Chemical Resistance*	8 Days	7 Days	5 Days

* Refer to Chemical Resistance Chart

ASTM Test Parameters

ASTM	TEST METHOD @ 73°F.	Liquids Only	Filled System
C579	Compressive Strength		5381 psi
C579	Percent Compressive Resiliency		7.9%
	Ratio of Force to % Resiliency		681:1
C579	Compressive Strength @ Yield		3546 psi
C579	Percent Compressive Resiliency @ Yield		3.52%
C580	Flexural Strength		3544 psi
C580	Flexural Modulus of Elasticity		8.22x10^5
C307	Tensile Strength Percent Tensile Elongation Ratio of Tensile Stress to % Elongation		1915 psi 6.47% 296:1
C321	Bond Strength to Concrete		Failure in Concrete
C884	Thermal Compatibility to Concrete	No Delamination	No Delamination
C413	Absorption-Filled		<1%
C413	Absorption-Unfilled	0%	
D695	Compressive Strength Percent Compressive Resiliency Ratio of Force to % Resiliency	7004 psi 49.54% 141:1	
D695	Compressive Strength @ Yield Percent Compressive Resiliency @ Yield	3153 psi 10.14%	
D790	Flexural Strength	4560 psi	
D790	Flexural Modulus of Elasticity	1.64 x 10^5	
D638	Tensile Strength Percent Tensile Elongation Ratio of Tensile Stress to % Elongation	1893 psi 19% 100:1	
D4541	Bond Strength to Concrete	Failure in Concrete	

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