



SeamTek™ Glasswall FR Epoxy Wall and Ceiling Coating System



Glasswall FR
Superior Chemical
Resistant Epoxy
Coating System with
Fiberglass Reinforcement



SeamTek™ Glasswall FR Features

- Fiberglass Mat Reinforcing
- No amine blush–no frosting
- Self-leveling
- Low foaming
- Excellent adhesion to concrete
- Good Workability – easy to spread
- 100% solids – Solvent Free
- Low VOC
- Low Odor
- Low Flammability

Life Science Products

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SeamTek™ Glasswall FR

General Description

SeamTek™ Glasswall resin is a two component 100% solids, low-odor, low viscosity, low VOC resin that chemically cures to form a rigid and highly abrasion resistant binder for high performance interior coating systems. It has been specifically designed to exhibit excellent flow characteristics, air release, and workable viscosity. In the FR or fiberglass reinforced system, 5.6 oz. fiberglass mat is incorporated in the coatings to produce a 30 – 35 mil thick reinforced coating system. The FR system adds structural integrity to gyp board walls, yields a smooth finish and adds overall sustainability to the wall coatings that lasts longer than conventional coatings.

SeamTek™ Glasswall FR Details and Properties

Specific Gravity - ASTM D 70, Fisher #3-247 Pycnometer – 1.07

Weight - ASTM E 201: 9.2 lbs/gal

Non-Volatile Content - ASTM D 1353, 18 hrs. at 200°F (93°C) – 100%

Viscosity, cps - ASTM D 1475 77°F (25°C) Self-Leveling 1200-1500

Flash Point TCC Minimum - Seta Flash – Greater Than 2000 F (930 C)

Solvent Odor – ASTM D1296 – Extremely Low

Pot Life – 50-60 Minutes at 720 F (220 C) & 50% R.H.

Drying time - ASTM D 1475 77°F (25°C) To Touch: 8 to 12 hrs., max. To complete: 24 hrs. max.

Hardness (indentation) - ASTM D 2240 Rex D Model 1700 - 65-70 resin only 80-85 with aggregate

Elongation - ASTM D 638 - Less than 0.1%

Tensile Strength - ASTM D 638 - 4500 psi (31 MPa)

Water Absorption - ASTM D 570-95 - Less than .2%

Weathering Resistance - ASTM G 26 Type B, BH, 300 hrs - Slight Yellowing

Abrasion Resistance - ASTM C 501, CS-17 Wheel, 1000 rev. with 1000 gram weight - Less than 0.1 grams weight loss

Flammability - ASTM D 635 - Self-Extinguishing

Composition and Materials:

SeamTek™ Pigmented Epoxy Resin WP850 is a chemical curing, two component, 100 % solids epoxy coating.

Mixing:

Caution, Containers used to measure WP850 resin and Harder must be marked appropriately and only used to measure the indicated component. Container used to mix both resin and hardener must be cleaned or changed after mixing each batch to avoid residual material affecting viscosity and cure rates. Measure both parts by volume 2 to 1 into square plastic marked containers. Pour resin and hardener into a separate container and agitate using a jiffy paddle and low speed drill (400-600 rpm). Agitate for 2 minutes, and then scrape sides of container and mix or an additional minute. Avoid generating air bubbles and foam. Consider mixing small batches to reduce potential waste. To avoid exothermic reaction in mixing container, do not let mixed components sit in container. Immediately, either trowel the mixed epoxy binder resin onto the wall to be coated or thoroughly mix with aggregate and then trowel onto wall. Spread or finish material according to application instructions contained in LSP Technical Manual.

Storage and Handling:

Because WP850 has a flash point above 200°F (93°C), transportation, storage and handling are less restricted. The binder resin is freeze/thaw stable, which allows flexibility in storage of the product, on or off site.

Product Health and Safety Information:

Refer to container labels and Material Safety Data Sheets available from LSP for health, safety and environmental information. ***If necessary, call LSP at (800) 638-9874.***

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