

PRODUCT

INFORMATION



Techgard®

High Solids Epoxy Blockfiller

S4250 - Part A, Off White

S4251 - Part B, Activator

Description:

Techgard® High Solids Epoxy Blockfiller is a high performance, high solids, two component, interior/exterior epoxy filler formulated for excellent adhesion while filling voids and resurfacing concrete in industrial exposures. **Must be used with part B Activator, S4251.** It provides excellent resistance to moisture, humidity, impact and humidity. Designed as filler/sealer under high performance coatings. Techgard® High Solids Epoxy Blockfiller meets the requirements of USDA.

USES :

Prisons	Schools
Cement Block	Spalled/deteriorated concrete
Chemical Plants	Under high performance topcoats

MIXING & SIZES :

Available in Fives; 2 component system: Part A, S4250 must be mixed with Part B, S4251 mix until completely blended. Mix Ratio 1:1

SURFACE PREPARATION :

Surface must be free of dirt, oil, grease, and in sound condition. Minimum recommended surface preparation: Concrete/Masonry: NACE 6/SSPC-SP13.

TINTING :

Do not tint

TECHNICAL DATA

Vehicle:	Epoxy
Components:	Two (color: off white)
Sheen:	Flat
Flash Point:	103° F
% Solids:	By Volume: 72.0%
VOC Level:	1.50 lbs./gal. (184 gm/l) max. activated
Rec. Film Thickness:	14.0- 28.0 mils wet film (approx. 60 – 115 sq. ft./gal.)
Rec. Film Thickness:	10.0 - 20.0 mils dry film
Mix Ratio:	1:1
Pot Life:	8 hours (@ 77°F/50%RH)
Shelf Life:	12 months
Induction Time:	30 Minutes
Application:	Apply by airless, spray, brush or roller.
Drying Time @ 77°F (25°C):	Set to touch 1-3 hrs. Dry to recoat min. 18 hrs; max. 30 days. To cure: 24 hours.
Thinning:	Not required
Cleanup:	Techgard Reducer #7
Limitations:	NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5°F (3°C) above the dew point. Do not apply to surface temperatures below 50°F. Concrete must be cured for 28 days prior to painting.
Heat Resistance:	Up to 250°F dry heat (121°C)

FOR INDUSTRIAL USE ONLY

Technical Information Line:
1-800-BUY-PRAT (1-800-289-7728)

Website Address:
www.prattandlambert.com

Application:

- Airless:** Pump: 30:1
 Hose: 3/8"
 .019 - .023 orifice tip
 May reduce up to 12.5%
- Brush:** Natural Bristle (may reduce up to 12.5%)
- Roller:** 3/8" - 1/2" woven with phenolic core
 (may reduce up to 12.5%)
- Squeegee:** (No reduction)

PHYSICAL TEST DATA

- Substrate: Steel
- Surface Preparation: SSPC-SP10
 1 coat Techgard® High Solids Epoxy Blockfiller 15 mils DFT

- Adhesion (ASTM D3359, method B)
 Result: 5B 100% retention
- Flame Spread Rating (ASTM E-84) Tunnel test
 Result: Class A on noncombustible surfaces
- Direct Impact Resistance (TTC-555B), 4.4.4
 Result: Minimum resistance at 6 in. lbs.
- Wind Driven Rain (TTC-555B, 4.4.7)
 Result: Passes
- Freeze/Thaw (ASTM D2246, 20 cycles)
 Result: Passes
- Dry Heat Resistance (ASTM D2485)
 Result: 250° F intermittent
- Flexibility (cold rolled steel, TTC-555B, 4.4.3, 1" mandrel
 Result: Passes
- Humidity Resistance (ASTM D2247, 100° F, 1000 hours
 Result: Passes

RECOMMENDED SYSTEMS**CONCRETE/MASONRY:**

- Techgard® High Solids Epoxy Blockfiller at 10.0 - 20.0 mils DFT/coat
- (and)
- 1 or 2 coats Techgard® High Build Acrylic Urethane @ 4.0 - 6.0 mil dft

Other recommended topcoats**include:**

- Enducryl® DTM Acrylic Semi-Gloss Enamel
- Enducryl® DTM Acrylic Gloss Enamel
- Palgard® Epoxy
- Enducryl® Water-Based Epoxy
- Enducryl® HP Water-Based Epoxy
- Techgard® Maintenance Gloss Enamel
- Techgard® High Solids Urethane
- Techgard® Hi-Build Epoxy Mastic

For Additional Recommended Coating Systems Contact Your Pratt & Lambert Sales Executive.