

# PRODUCT

## INFORMATION



## Techgard®

### High Solids Epoxy Floor Coating

S6720-Clear, S6721-Haze Gray, S6722-Deck Gray  
S6723-Sandstone, S6724-Tile Red, S6715-Activator

#### DESCRIPTION :

Techgard® HS Epoxy Floor Coating is a high solids, heavy duty, two component polyamide epoxy coating formulated for demanding marine and industrial requirements. It dries rapidly to a tough, high gloss finish with excellent resistance to alkalis, abrasion, corrosion, and chemical attack.

Techgard® HS Epoxy Floor Coating may be used as a floor coating in areas of incidental food contact in USDA inspected facilities. It meets ADA requirements for slip resistance for floors.

#### USES :

Industrial/ Commercial uses where heavy duty epoxy is requireds  
Heavy vehicle traffic areas  
Chemical plants  
USDA inspected facilities

**SIZES :** Available in 2 and 10 gallon kits.

Activator/Base required to make the complete product.

#### SURFACE PREPARATION :

Surface must be free of dirt, oil, grease, and rust. Concrete - Refer to SSPC-SP6 / NACE 6. For maximum performance abrasive blast using equipment similar to Blastrac self-contained centrifugal equipment. Always follow ASTM D4258 Standard practice cleaning & degreasing concrete; ASTM D4259 Standard practice for abrading concrete; ASTM D4260 Standard practice for etching concrete; ASTM F1869 Standard test for measuring moisture vapor transmission rate of concrete.

**MIXING:** (1:1 ratio) Mix base component and activator separately. Add activator to base component and mix until completely blended.

**APPLICATION:** Smooth - mix equal parts Base and Activator. Allow mixture to "sweat in" for 30 minutes. Roll on floor at a rate of 206 to 350 ft./gal. Allow to dry for at least 8 hours but no longer than 7 days for recoat. When applying second coat follow same procedures as first coat. For slip resistance, add slip resistant additive to second coat after mixed and 30 minute "sweat-in/induction" time. If second coat is clear, slip resistant additive should be hand broadcast.

#### TECHNICAL DATA

<b>Vehicle:</b>	Polyamide Epoxy
<b>Components:</b>	Two (colors: Clear, Haze Gray, Deck Gray, Sandstone, Tile Red)
<b>Sheen:</b>	Gloss
<b>Flash Point:</b>	95°F
<b>% Solids colors:</b>	Volume: 65.0% (colors-mixed; clear: Volume: 61.0% (mixed))
<b>VOC Level:</b>	3.27 lbs./gal. (327 gm/l) max.
<b>Rec. Film Thickness:</b>	5.0 - 8.0 mils wet film (approx. 206-350 sq. ft./gal.)
<b>Rec. Film Thickness:</b>	3.0 - 5.0 mils dry film
<b>Mix Ratio:</b>	1:1
<b>Pot Life:</b>	4 hours (@ 77°F/50%RH)
<b>Shelf Life:</b>	2 years
<b>Induction time:</b>	30 Minutes
<b>Application:</b>	Brush, Roller, or Airless spray
<b>Drying Time @ 77°F (25°C):</b>	Set to touch 2 hrs. Dry recoat min. 8 hrs;Recoat max. 7 days. Foot traffic: 24 hours; Heavy traffic: 48-72 hours; to cure: 7 days.
<b>Thinning:</b>	Not required.
<b>Clean-up:</b>	Techgard Reducer #1
<b>Limitations:</b>	NOT INTENDED FOR IMMERSION SERVICE. Do not apply when surface temperature is less than 5°F (3°C) above the dew point. Primer required when painting ferrous metal in moderately corrosive environments. Do not apply to surface temperatures below 50°F. Concrete must be cured for 28 days prior to painting.
<b>Heat Resistance:</b>	Up to 200°F dry heat (121°C)

Technical Information Line:  
**FOR INDUSTRIAL USE ONLY**  
1-800-BUY-PRATT (1-800-289-7728)

## APPLICATION

<b>Airless:</b>	Pressure	2500 psi
	Tip	.015 - .021 orifice tip
	Hose	3/8" ID Hose
	Filter	60 mesh
<b>Brush:</b>	Natural Bristle	
	Reduction:	As needed up to 10% by volume (Techgard Reducr #1)
<b>Roller:</b>	3/8" Woven	
	Reduction:	As needed up to 10% by volume (Techgard Reducr #1)

## RECOMMENDED SYSTEMS

### CONCRETE FLOORS:

- 1 or 2 coats Techgard® HS Epoxy Floor Coating at 3.0 - 5.0 mils DFT/coat

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

## PHYSICAL TEST DATA

Testing with 2 coats Techgard® HS Epoxy Floor Coating @ 3.0 - 5.0 mils dry film thickness

- Adhesion (ASTM D4541)  
Result: 865 psi
- Abrasion (ASTM D4060) (CS-17 wheel, 1000g load, 1000 cycles)  
Result: 64.8 mg loss
- Direct Impact resistance (ASTM D2794)  
Result: 58 in. lbs.
- Pencil Hardness (ASTM D3363)  
Result: HB
- Slip Resistance, Floors,  
(ASTM C1028-96, .60 min. Static Coefficient of Friction)  
Result: Passes wet and dry, with and without slip resistant additive

