

PRODUCT

INFORMATION



Techgard®

High Solids Urethane Floor Coating

S6560-Clear, S6561-Deck Gray, S6562-Haze Gray
S6564-Sandstone, S6563-Tile Red

DESCRIPTION :

Techgard® HS Urethane Floor Coating is a high solids, aliphatic, single component, moisture cure, VOC compliant, moisture resistant industrial floor coating. It dries to a high gloss and chemical resistant film equivalent to a two-part urethane coating. It resists yellowing and has excellent impact, abrasion, alkalie, dilute acid, solvent and chemical resistance.

Techgard® HS Urethane 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 :

Schools	Laboratories
Airport hangers	Industrial/Commercial environments
Interior/Exterior	USDA inspected facilities

SIZES : Available in singles. (Clear is available in singles and fives)

SURFACE PREPARATION :

Surface must be free of dirt, oil, grease, and rust. Concrete - Refer to SSPC-SP13 / NACE 6. 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. NEW CONCRETE refer to ASTM D4260. After etching rinse thoroughly and test pH to ensure it is between 6.0 and 10.0. OLD CONCRETE Clean with strong degreaser to remove all contaminants then etch per ASTM D4260. After etching rinse thoroughly and test pH to ensure it is between 6.0 and 10.0. WOOD: must be clean, dry and sound. Remove any oils and dirt with degreaser and/or strong detergent. Rinse thoroughly.

MIXING: Single component thoroughly mixed

APPLICATION: Smooth - Roll on floor at a rate of 358 to 537 ft./gal. Allow to dry for at least 9 hours but no longer than 14 days for recoat. When applying second coat follow same procedures as first coat. For slip resistance, add slip resistant additive to second coat. If second coat is clear, slip resistant additive should be mixed into the gallon prior to applying.

TECHNICAL DATA

Vehicle:	Polyurethane
Components:	One (colors: Clear, Haze Gray, Deck Gray, Sandstone, Tile Red)
Sheen:	Gloss
Flash Point:	111°F
% Solids colors:	Volume: 67.0%
VOC Level:	2.41 lbs./gal. (282 gm/l) max.
Rec. Film Thickness:	3.0 - 4.5 mils wet film (approx. 358-537 sq. ft./gal.)
Rec. Film Thickness:	2.0 - 3.0 mils dry film
Shelf Life:	12 months
Application:	Brush or Roller
Drying Time @ 77°F (25°C):	Set to touch 2 hrs. Dry recoat min. 9 hrs; max. 14 days. Foot traffic: 24 hours; heavy traffic: 3 days. Full cure: 3 days.
Thinning:	Not required.
Clean-up:	Techgard Reducer #5
Limitations:	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 when surface temperature is lower than 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

- Brush:** Natural Bristle
Reduction up to 10% by volume
(Techgard Reducer #5)
- Roller:** Mohair
Reduction up to 10% by volume
(Techgard Reducer #5)

PHYSICAL TEST DATA

Testing with 2 coats Techgard® HS Urethane Floor Coating @ 2.0 - 3.0 mils dry film thickness

- Adhesion (ASTM D4541)
Result: 1466 psi
- Abrasion (ASTM D4060) (CS-17 wheel, 1000g load, 1000 cycles)
Result: 116 mg loss
- Hot Tire Pick-Up (ITM P213.00 @ 140°)
Result: Passes
- Pencil Hardness (ASTM D3363)
Result: H
- Slip Resistance, Floors, (ASTM C1028-96, .60 minimum Static Coefficient of Friction)
Result: Passes wet and dry, with and without slip resistant additive

RECOMMENDED SYSTEMS

CONCRETE FLOORS:

- 1 or 2 coats Techgard® HS Urethane Floor Coating at 2.0 - 3.0 mils DFT/coat

WOOD FLOORS:

- 1 or 2 coats Techgard® HS Urethane Floor Coating at 2.0 - 3.0 mils DFT/coat

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

