

MULTIPURPOSE SPRAY ELASTOMER

■ Description

VFI-541TD is 100% solids, two component, fluid applied, polyurea hybrid coating.

■ Usage

VFI-541TD is primarily used as a wear surface, waterproofing membrane for vehicular and pedestrian traffic decks with extended open time to broadcast granules for anti-slip. Other uses include lining of

materials handling equipment, coating of urethane or expanded polystyrene foam insulation, waterproofing of structures, protection of concrete from acids and alkaline materials and use as an environmental containment barrier with or without geotextiles.

■ Color

Black. Contact your Volatile Free, Inc. Representative for other colors.

Physical Properties

■ Chemical Resistance

Good resistance to inorganic bases, acids and hydrocarbon solvents. Fair resistance to oxygenated and chlorinated solvents. Good resistance to hot water up to 180°F.

■ Tensile

ASTM D-412
Strength: 1653 psi
Elongation: 103%
Permanent Set: 7% max.

■ Adhesion

ASTM D-4541.
Strength: 825 lbs./in.² – with concrete failure.

■ Hardness

ASTM D-2240
Shore A 93 - 95
Shore D 46 - 49

■ Tear

ASTM D-624
Strength: 172 pli

■ Abrasion Resistance

Excellent.

Liquid Component Properties

■ Solids

Weight: 100%
Volume: 100%

■ Viscosity

Poly Component:
600 ± 200 cps @ 77°F.
Iso Component:
700 ± 300 cps @ 77°F.

■ Density

Poly Component: 8.79 lb/gal
Depending on color.
Iso Component: 9.45 lb/gal

■ Flash Point

ASTM D-56 (TCC)
Greater than 200°F

■ V. O. C.

Conforms to all Air Pollution regulations. Contains no Volatile Organic Compounds.

■ Toxicity

Iso component contains polymeric isocyanate requiring fresh air supply respirator, and protective clothing during application.

■ Storage Stability

12 months in unopened containers at 50° - 90°F.

Application

Thoroughly mix the colored component in order to re-suspend any pigment that may have settled out. Apply, using hot airless spray equipment capable of producing 1000 psi, and maintaining an application temperature of 120° - 130°F. The mixing ratio shall be maintained within 0.95 to 1.1 volume of isocyanate to 1 volume of polyol. Impingement mixing, air purge

spray guns are suggested for ease of application. VFI-541TD gels in 5-10 minutes and cures to handle in 1-1 ½ hours when applied using hot airless spray equipment. Allow 24 hours for complete cure before placing coated items into service. Cure time depends on the substrate temperature and application process.

Corporate Office: P.O. Box 344 / Brookfield, WI 53008 / 800-307-9218 / 262-787-0400 / Fax: 262-787-0500

This information and technical advice provided herein are believed to be reliable and accurate to the best knowledge of Volatile Free, Inc., as based on tests and should serve only as a recommendation. As the manufacturer, Volatile Free, Inc. makes no representations or warranties of any kind, expressed, implied or statutory, including but not limited to all implied warranties of merchantability or fitness for use or a particular purpose for the product. Volatile Free, Inc. makes no representations or warranties as to the results of the use of the product and assumes no obligation or liability in connection therewith. Volatile Free, Inc. is not liable for any incidental or consequential damages of any sort from use of this product. The information provided herein is subject to change at any time without notice. Information changes may include, but are not limited to, commercial and technical changes, changes in pricing, physical characteristics and packaging.