



VFI-2889 90 SHORE A POLYUREA SPRAY ELASTOMER

Overview

- Description**
 VFI-2889 is a 100% solids, two component, fluid applied, 1:1 ratio, polyurea spray elastomer designed for applications that require superlative impact, abrasion and thermal resistance.
- Usage**
 - Concrete coating for secondary chemical containment.
- Color**
 Neutral and Black typical. Contact your Volatile Free, Inc. representative for other colors.
- Concrete coating for mild primary containment applications.
 - Protective coating for rigid substrates.
 - Protective coating for Expanded or Extruded Polystyrene.

Physical Properties

- Hardness**
 ASTM D-2240
 Shore D 45-50
 Shore A 90-95
- Tensile**
 ASTM D-412
 Tensile Strength: 3600 psi
 Elongation: 450%
 Yield Strength: 1000 psi
 Elastic Modulus: 8890 psi
- Tear Resistance**
 ASTM D-624
 Die C 324 p/i
- Abrasion Resistance**
 Excellent

Weather & Environmental Performance

- Chemical Resistance**
 Good resistance to (dilute) inorganic bases, acids and hydrocarbon solvents. Fair resistance to oxygenated and chlorinated solvents. Good resistance to hot water up to 200°F intermittent.

Liquid Component Properties

- Solids**
 100%
- Viscosity**
 "A" side: 400-600 cps @ 77°F
 "B" side: 400-600 cps @ 77°F
- Liquid Density**
 "A" side: 9.2 lb/gal
 "B" side: 8.4 lb/gal
- Flash Point**
 ASTM D-56 (TCC)
 Greater than 200°F.

- **VOC**
Conforms to all Air Pollution regulations.
Contains no Volatile Organic Compounds.
- **Toxicity**
ISO component contains polymeric Isocyanate requiring gloves and protective clothing during application.

At elevated temperatures or when spraying use a fresh air supply respirator.

- **Storage Stability or Shelf Life**
12 months in unopened containers @ 50-90°F.

Application

- **Material Preparation**
Surfaces to be coated should be clean and free of debris (and properly primed, if necessary). Preheaters and hose heat should be set at the highest possible setting 150°F to 180°F are typical. Choosing a tip / mixing chamber that promotes the most vigorous and thorough mixing is likely to yield the best results.
- **Material Application**
VFI-2889 should be applied using the following procedure:
 - 30 to 150 mils of coating should be applied to the desired (properly prepared) substrate.
 - Post cure temperatures of 90-120°F for 48 hours is desirable, yet at least 24 hours at room temperature is required to develop properties necessary for light duty.
 - Full cure has been noted to take 5–10 days at room temperature or 3 days at 90°F.

For more information, contact us today at **800-307-9218**

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