

BATCH MIX ALIPHATIC ELASTOMER

■ Description

VFI-263 is a two component, one to one by volume, batch mix aliphatic polyurethane coating that has a long pot life and moderate tack free time.

■ Usage

VFI-263 is designed for use as a colorfast wearing and waterproofing membrane for pedestrian decks, auto decks, industrial flooring and roofing.

■ Color

Standard color for VFI-263 is white. Custom colors are also available. Please contact Volatile Free, Inc. for more information on custom colors.

Physical Properties

■ Chemical Resistance

Good hydrolytic stability up to 160°F. Water resistance is excellent. Good resistance to acids and hydrocarbon solvents. Fair resistance to oxygenated solvents, chlorinated solvents, and inorganic bases.

■ Tensile

ASTM D-412
Strength: 2500 psi
Elongation: 400%
Permanent Set: 15% max.

■ Hardness

ASTM D-2240
Shore A 80 ± 3

■ Abrasion Resistance

Excellent.

■ Tear Resistance

ASTM D-624
Die C: 250 pli

Liquid Component Properties

■ Coverage

Sq. Ft./Gal./Mil 1280

■ Solids

Weight: 85%
Volume: 80%

■ Viscosity

Poly Component:
Semi-fluid thixotropic liquid.
Iso Component:
300-400 cps @ 77°F.

■ Density

Poly Component:
11-12 lbs./gal. (S.G. 1.32-1.44)
Depending on color.
Iso Component:
8.16 lbs./gal. (S.G. 0.98)

■ Flash Point

Above 81°F T.O.C.

■ Toxicity

Contains solvent that requires ventilation during application. Contains polyisocyanate that may be irritating to the skin and is toxic if inhaled as particulate matter. Material contacting the skin should be neutralized by washing with generous amounts of water.

■ Storage Stability

One year in unopened original containers at 40° - 90°F. Normally, containers should be used within one week after opening.

Application

■ Mixing

Best results are obtained by pouring the ISO into the mixing container first. Then mix an equal volume of polyol into the ISO.

■ Pot Life

Pot life of a one gallon quantity is 45 min @ 70°F. Higher temperatures and larger quantities will shorten pot life. Lower temperatures and smaller quantities will lengthen pot life.

■ Cure Time

VFI-263 will be ready for recoat in 12 hours @ 70°F and 24 @ 40°F. Allow 72 hours after final coat @ 70°F before permitting traffic.

■ Equipment

VFI-263 can be applied by notched trowel, medium nap roller, squeegee or brush.

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