

ALIPHATIC QWIK SPRAY LINING SYSTEM

■ Description

VFI-345 is a 100% solids, two component, aliphatic Qwik Spray applied, polyurea coating.

■ Usage

Other uses include; lining of truck beds, material handling equipment, water proofing of structures, coating of urethane and expanded polystyrene foam insulation, protection of concrete from acids and alkaline materials, under coating of vehicles and as an anti-chip rocker panel coating.

■ Color

Available colors are blue, gray, green, red, safety yellow, brown, eggshell and white.

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: 2895 psi
Elongation: 55%
Permanent Set: 10% max.

■ Hardness

ASTM D-2240
Shore D 68

■ Tear Resistance

ASTM D-624
Die C 581 p/i

■ Shrinkage

0.5% - 1.0%
Depending upon cure temperature.

■ Abrasion Resistance

Excellent.

Liquid Component Properties

■ Solids

Weight: 100%
Volume: 100%

■ Viscosity

Poly Component:
1600-2600 cps @ 77°F.
Iso Component:
500-700 cps @ 77°F.

■ Density

Poly Component: colors 1.16-1.27
Iso Component: 1.10

■ V.O.C.

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

■ Flash Point

ASTM D-56 (TCC)
Greater than 200°F.

■ Toxicity

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

■ Storage Stability

6 months in unopened containers @ 50°F - 90°F.

Packaging

750 x 750 ml dual cartridges at six sets to a case.

Coverage

One case of six kits (750 x 750 ml) will cover 100 sq./ft. @ 38 mil thickness.

Application

Apply VFI-345 using a Qwik Spray pneumatic spray dual cartridge gun. Ensure that the compressed air source is dry, and can provide a constant pressure of 110 psi. Use the static mixer with the air atomizer tip supplied with your cartridges. With 110 psi inlet pressure, set fluid flow to maximum and airflow to the atomizer at 25 psi. Start spraying on a piece of cardboard or other disposable surface until an acceptable spray pattern is achieved. When a spray pattern has been achieved, this should take 2-3 seconds; fan over to the object, working with even

passes, building coats to desired thickness. Visually monitor material levels and cease coating work just prior to emptying cartridges to ensure that an even ratio of the material is applied to the surface. Cartridges must be above 80°F before using. VFI-345 can be textured by letting base coat gel (gel time 18-20 sec.) before texturing is started. Tack free time is 10 minutes.

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