



PRODUCT DATA SHEET

CHEM-COAT 9-544-1 Qwik Liner
Aliphatic Qwik Spray Liner System

DESCRIPTION:

Chem-Coat 9-544-1 is a 100% solids, two component, Qwik Spray applied, polyurea hybrid coating.

USAGE:

Chem-Coat 9-544-1 is primarily used for lining of truck beds and repair of existing truck bed liners. Other uses include; lining of material handling equipment, water proofing of structures, protection of concrete from acids and alkaline materials, under coating of vehicles and as an anti-chip rocker panel coating.

COLOR:

Standard color is black. Contact your Chemical Design 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.

HARDNESS:

ASTM D-2240
Shore A 97
Shore D 53

TEAR RESISTANCE:

ASTM D-624
Die C 270 pli

ABRASION RESISTANCE:

Excellent.

TENSILE:

ASTM D-412
Strength: 2200 psi
Elongation: 160%
Permanent Set: 10% max

LIQUID COMPONENT PROPERTIES

SOLIDS:

Weight: 100%
Volume: 100%

VISCOSITY:

Poly component:
650-800 cps @ 77°F
Iso component:
650-800 cps @ 77°F

DENSITY:

Poly Component: 0.99
Iso Component: 1.12

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, gloves, and protective clothing during application.

FLASH POINT:

ASTM D-56 (TCC)
Greater than 200°F

STORAGE STABILITY:

Twelve months in unopened containers at 50°F – 90°F.

PACKAGING

750 x 750 ml dual cartridges at 6 sets to a case.

COVERAGE

One 750 x 750 ml case will cover 100sq./ft. @ 38 mil thickness.

APPLICATION

Apply Chem-Coat 9-544-1 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 100 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 and 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 material is applied to the surface. Cartridges should be approximately 77°F before using. Chem-Coat 9-544-1 can be textured with typical overspray techniques.

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