



Bullet Liner 3

Description

BULLET LINER 3 is a 100% polyurea spray elastomer with exceptional physical properties. Its instantaneous reactivity and one-to-one ratio make BULLET LINER 3 an excellent choice for high performance and industrial applications.

Proposed Uses

BULLET LINER 3 is designed for use in harsh environments where high temperature, chemical, and/or abrasion resistance is needed. It exhibits excellent adhesion to most materials and is suitable as a protective-abrasive-impact liner for cementitious, wood, and/or metal surfaces. This extremely fast drying, tough and versatile product can provide contractors an affordable and protective coating solution. BULLET LINER 3 is an industrial workhorse and has been applied as a preferred tank lining inside the oil field sector.

Product Application Parameters

Property	Test Method	“A”	“B”
Color	N/A	Off-white	Amber/Black
Specific Gravity	ASTM D-1638	1.18	1.02
Viscosity	Brookfield LVF	600 cps +100	500 cps +100
Gel Time	String Method	5 sec	5 sec
Dry to Touch	Touch	10 sec	10 sec
Mixing Ratio	By Volume	50	50
Pounds Per Gallon	From Spec. Gravity	9.83	8.5

Physical Properties

Property	Result
Density (pcf) (ASTM D-1622)	70
Shore A Hardness (ASTM D-2240)	90 - 95
Shore D Hardness (ASTM D-2240)	60 - 65
Tensile Strength (ASTM D-2370)	2900 psi min.
Elongation (ASTM D-2370)	150% ave.
Tear Strength (ASTM D-1004)	550 pli min.
Taber Abrasion (H-18 Wheel, Loss/1000 Cyl)	0.14% or less

Application Requirements

Spray Equipment

Spray equipment must be designed to produce a minimum of 2,000-psi with an output of 1.5 gallon per minute. The heating component of the equipment must be able to maintain a temperature at the gun of 150° F. The hose on the equipment must be heated and be rated a minimum of 3,000-psi burst pressure. The spray gun must also be rated at the pressures and throughputs required.

Substrate Parameters

The substrate must be dry! A minimum of 5° F above the dew point is mandatory. The ambient relative humidity should not be above 85%. Pin holing may occur if the above parameters are not strictly followed. Applicator shall check initial climatic conditions. A small area shall be sprayed and checked for proper application. Applicator may continue, if upon close inspection, the sprayed sample meets quality standards.

Coverage

The material theoretically will cover 1,600 square feet/100 gal drum set at 100 mil dry film thickness. Coverage of the substrate should include a waste factor based on conditions at the site and type of substrate to which the material is being applied.

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Call Carlisle Polyurethane Systems for technical questions. 855-2-BULLET (28-5538).

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