



BPI System 14

High Performance Elastomer Coating

Type

A two-component, 100% solids, high performance modified polyether polyurethane coating.



Description

BPI System 14 is a spray-on, flexible and tough membrane that delivers excellent moisture and chemical resistance. The textured surface exhibits excellent adhesion to most substrates, and cures extremely fast.

Suggested Uses

Spray In Truck Bed Liner
Specifically designed for high volume truck customization shops and OE dealers.



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Weight Solids	100% solids	ATSM-2369
Weight per Gallon	BPI System 14 A 10.15 lbs. per gallon BPI System 14 B 8.4 lbs. per gallon	ASTM-1475
Specific Gravity	BPI System 14 A 1.12 BPI System 14 B 1.01	ASTM D-1638
Viscosity	BPI System 14 A 600 cps BPI System 14 B 650 cps	Brookfield LVF
Shore D Hardness	60	ASTM D-2240
Tensile Strength	3100 psi minimum	ASTM-2370
Abrasion Resistance Taber	.0013% loss per 1,000 cycles	D-4060
Elongation	230% Minimum	ASTM D-2370
Tear Strength	350 psi minimum	ASTM D-1004
Moisture Vapor Transmission, Perms	0.025 @ 30 mils	E-96
Theoretical Coverage per Gallon	1600 sq. /ft. per drum set @ 100 mil DFT	
Shelf Life	12 Month Minimum	
Cure Recommendations	Air Dry: 6 second gel @ 77°F - 24 hours for full cure	
Process Parameters	Mix Ratio by Weight (A) 53 (B) 47 Mix Ratio by Volume 1:1 Process Temperatures (A) 145°F-160°F (B) 145°F-160°F Minimum Spray Pressure 2000 psi	
Working Temperature Range	-20°F – 200°F Intermittent	
Application Equipment	Spray equipment (such as Graco XP-1 or greater) must be designed to produce a minimum of 2000 psi with an out-put of 1.5 gallons per minute. The heating component of the equipment must be able to maintain temperature at the gun of 150°F. The equipment must have heated hoses with a minimum pressure burst of 3000psi. The spray gun must also be rated at the pressure 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 climate conditions. A small area should be sprayed and checked for proper application. Application can continue if upon close inspection the sprayed sample meets quality standards.	
Material Storage	BPI System 14 should be stored between 65-80°F Always ensure an airtight moisture free reseal of unused materials. Providing moisture free airtight seal on opened materials when resealing will ensure proper performance of the material.	
Safety and Handling	Burtin Polymer Innovations is committed to helping you develop and maintain a safe working environment. Refer to SDS for safety and handling. Proper Personal Protection Equipment must be worn to comply with worker health and safety requirements.	