



PRODUCT DATA BL- 80

DESCRIPTION

BL-80 is a two-component, spray-in-place flexible 100% solids aliphatic (color stable) poly aspartic system. This product provides a flexible but extremely tough monolithic membrane with excellent water and chemical resistance.

PROPOSED USES

BPL-80 is a fast cure, multi-purpose material designed for commercial and industrial applications not requiring rated materials. It exhibits excellent adhesion to most materials and is suitable as a protective-abrasive-impact liner for cementitious, wood, and/or metal surfaces.

TYPICAL PROPERTIES

Property	Test Method	“A”	“B”
Color	N/A	Lt. Yellow	Off-white or Black
Specific Gravity	ASTM D-1638	1.15	1.08
Viscosity	Brookfield LVF	600 cps +100	1000 cps +100
Mixing Ratio	By Weight	53	47
Pounds Per Gallon	From Spec. Gravity	9.6	8.9

PROCESSING CHARACTERISTICS

Component Temperature at Spray Head:	
A Component	145°F - 155°F
B Component	145°F - 155°F
Minimum System Pressure	2200 psi
Gel Time	Instantaneous
Cure Time	24 hours
Product Working Temperature Range	-40 °F to 280 °F

PHYSICAL PROPERTIES

SHORE A HARDNESS (ASTM D-2240)	85 - 90
DENSITY (pcf) (ASTM D-1622)	70
TENSILE STRENGTH (ASTM D-2370)	2300 psi minimum
ABRASION RESISTANCE (taber) (D-4060)	0.3% per 1,000 cycles
ELONGATION % (ASTM D-2370)	140 % minimum
TEAR STRENGTH (ASTM D-1004)	400 ppi minimum

APPLICATION REQUIREMENTS

BL-80

Spray Equipment: Spray equipment must be designed to produce a minimum of 2500 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.

Product Application Parameters:

Property	Test Method	“A”	“B”
Specific Gravity	ASTM D-1638	1.15	1.08
Viscosity	Brookfield LVF	600 cps +100	1000 cps +100
Mixing Ratio	By Volume	1	1
Mixing Ratio	By Weight	53	47
Pounds Per Gallon	From Spec. Gravity	9.6	8.9
Temp. At Spray Gun	N/A	145°F	145°F
Gel Time	N/A	Instantaneous	Instantaneous
Total Cure	N/A	24 hours	24 hours
Product Working Temp.	N/A	-40°F to 280°F	-40°F to 280°F
Relative Humidity	N/A	MAX 85%	MAX 85%

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%. Pinholing may occur if the above parameters are not strictly followed. Applicator shall check initial climatic conditions. A small area shall be sprayed and check for proper application. Applicator may continue, if upon close inspection, the sprayed sample meets quality standards.

Coverage: The material theoretically will cover 1,604 square feet 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.

Call **Bullet Liner** for technical questions. 770-607-0755.

THE INFORMATION HEREIN IS BELIEVED TO BE RELIABLE, BUT UNKNOWN RISKS MAY BE PRESENT. BULLET LINER WARRANTS ONLY THAT THE MATERIALS SHALL BE OF MERCHANTABLE QUALITY. THIS WARRANTY IS IN LIEU OF ALL OTHER WRITTEN OR UNWRITTEN, EXPRESSED OR IMPLIED WARRANTIES. BULLET LINER, EXPRESSLY DISCLAIMS ANY WARRANTY OF FITNESS FOR A PARTICULAR PURPOSE, OR FREEDOM FROM PATENT INFRINGEMENT. ACCORDINGLY, BUYER ASSUMES ALL RISKS WHATSOEVER AS TO THE USE OF THESE MATERIALS. BUYER'S EXCLUSIVE REMEDY AS TO ANY BREACH OF WARRANTY OR NEGLIGENCE CLAIM SHALL BE LIMITED TO THE PURCHASE PRICE OF THE MATERIALS. FAILURE TO STRICTLY ADHERE TO RECOMMENDED PROCEDURES SHALL RELIEVE BULLET LINER, OF ALL LIABILITY WITH RESPECT TO THE MATERIALS OR THE USE THEREOF.