



Shield Liner 51031

Spray Applied Polyurea Hybrid

Description

Shield Liner 51031 is a 1:1, fast -set, spray applied two -component polyurea hybrid coating. It is 100% solids and contains zero VOCs. When cured, it is highlighted by:

- Excellent tensile and tear strength
- Very good resistance to scratches and scuffs from regular use and transport of goods
- Specifically designed to adhere to the surface of prepared wood, foam and concrete for long lasting durability
- Primarily formulated for use as a protective layer for EPS or urethane foam substrates.
- Water resistant to protect substrate from moisture and spills

Application Recommendations

Shield Liner 51031 adheres extremely well to prepared wood, foam , concrete, and steel.

Shield Liner 51031 should be applied through a two component, heated, high pressure proportioning unit (1A:1B) capable of dynamic spray pressures of 2000-2400 psi.

For further detail or application instructions consult a Shield Technical Representative.

Packaging, Storage & Shelf Life

Shield Liner 51031 is available in 55 gallon drums and 275 gallon totes. It should be stored in sealed containers between 60°F and 90°F. Shelf life is 12 months in factory sealed containers.

Safety

Shield Liner 51031 is for industrial use only. Avoid contact with eyes and skin. Do not inhale or ingest. When spraying, wear a respirator or fresh air hood. Spraying indoors requires forced ventilation. Be sure to read SDS in its entirety prior to use.

Application Properties

Property	Value
Gel time	8 seconds
Tack free time	12 seconds
Recoat window	2 hours

Physical Properties

Property	Value
Hardness, Shore D, D-2240	52 D
Tensile strength, D-412	3000 psi
Tear strength, D-624	360 pli
Elongation, D-412	100 %
Flexibility (180° bend over 1/8 inch mandrel), D-522	Passes
Abrasion Resistance (CS17 wheels, 1000g, 1000 cycles), D-4060	18 mg loss

*Values obtained in laboratory setting for comparison purposes only and should not be considered specifications.

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