

Technical Data



INTELLATHANE – 7000PV

DESCRIPTION

7000PV is a two-component, spray-in-place flexible 100% solids polyurethane/polyurea system. This product provides a flexible but extremely tough monolithic membrane with excellent water and chemical resistance.

PROPOSED USES

7000PV is a fast cure, textured surface, multi-purpose material designed for commercial and industrial applications such as roof coatings, automotive liners, spill containment, retention ponds, etc. 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	Tan or Gray
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 - 160°F
B Component	145°F - 160°F
Minimum System Pressure	2200 psi
Gel Time	6 Seconds
Cure Time	24 hours
Product Working Temperature Range	-20 °F to 200 °F



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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 (tabor) (D-4060)	0.3% per 1,000 cycles
ELONGATION % (ASTM D-2370)	220 % minimum
TEAR STRENGTH (ASTM D-1004)	400 pli minimum
MOISTURE VAPOR TRANSMISSION, PERMS (E96)	0.025 @ 30 MILS

APPLICATION REQUIREMENTS

Spray Equipment: Spray equipment (Such as Graco XP-1 or greater) 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.



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