

Technical Data

INTELLATHANE® 7000 PV

DESCRIPTION

Intellathane® 7000 PV 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

Intellathane® 7000 PV 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 cementations, wood, and/or metal surfaces. The installation of these products may be made in incidental food contact locations and are certified under the FSIS procedures of the USDA.USDA-acceptable and NSF-approved to ANSI-NSF 61 Standard

TYPICAL PROPERTIES

Property	Test Method	<u>"A"</u>	<u>"B"</u>
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



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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	Instantaneous
Cure Time	24 hours
Product Working Temperature Range	-20 °F to 200 °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)	220 % minimum
TEAR STRENGTH (ASTM D-1004)	400 ppi minimum
MOISTURE VAPOR TRANSMISSION, PERMS (E96)	0.025 @ 30 MILS



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APPLICATION REQUIREMENTS INTELLATHANE® 7000 PV

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.

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	-20°F to 200°F	-20°F to 200°F
Relative Humidity	N/A	MAX 85%	MAX 85%



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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 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 **Accella Polyurethane Systems** for technical questions. 770-607-0755.

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