

Technical Data



INTELLATHANE® 7100

DESCRIPTION:

INTELLATHANE 7100 is a 100% polyurea spray elastomer with exceptional physical properties. Its instantaneous reactivity and one-to-one ratio makes **INTELLATHANE 7100** an excellent choice for high performance applications.

PROPOSED USES:

INTELLATHANE 7100 is designed for use in harsh environments where high temperature, chemical, and/or abrasion resistance is needed. 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	Off-white	Amber/ Black
Specific Gravity	ASTM D-1638	1.13	1.02
Viscosity	Brookfield LVF	900 cps +100	1000 cps + 100
Mixing Ratio	By Volume	50	50
Pounds Per Gallon	From Spec. Gravity	9.43	8.53

PHYSICAL PROPERTIES:

DENSITY (PCF)	(ASTM D-1622)	70
SHORE A HARDNESS	(ASTM D-2240)	90 - 95
SHORE D HARDNESS	(ASTM D-2240)	60
TENSILE STRENGTH	(ASTM D-2370)	2900 psi minimum
ELONGATION	(ASTM D-2370)	200% average
TEAR STRENGTH	(ASTM D-1004)	550 pli minimum
TABER ABRASION (H-18 WHEEL, 1000 CYCLES)		0.03% weight loss



www.accellapolyurethane.com
2500 Adie Road, Maryland Heights, MO 63043
Phone: (314) 872-8700 | Fax: (314) 872-8750

Technical Data

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.

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 1600 square feet/100 gal drum set 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.

DISCLAIMER:

The data presented herein is not intended for use by nonprofessional applicators, or those person who do not purchase or utilize this product in the normal course of their business. The potential user must perform any pertinent test in order to determine the product's performance and suitability in the intended application, since final determination of fitness of the product for any particular use is the responsibility of the buyer.

Call **Accella Polyurethane Systems** for technical questions. 888-899-9665.

THE INFORMATION HEREIN IS BELIEVED TO BE RELIABLE, BUT UNKNOWN RISKS MAY BE PRESENT. ACCELLA POLYURETHANE SYSTEMS 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. ACCELLA POLYURETHANE SYSTEMS. 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 ACCELLA POLYURETHANE SYSTEMS. OF ALL LIABILITY WITH RESPECT TO THE MATERIALS OR THE USE THEREOF.



www.accellapolyurethane.com
2500 Adie Road, Maryland Heights, MO 63043
Phone: (314) 872-8700 | Fax: (314) 872-8750