

Technical Data



INTELLATHANE® 550

INTELLATHANE 550 is a 100% polyurea spray elastomer with exceptional physical properties. Its fast reactivity and one-to-one ratio makes **INTELLATHANE 550** an excellent choice for high performance applications.

PROPOSED USES:

INTELLATHANE 550 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	<u>"A"</u>	<u>"B"</u>
Color	N/A	Off-white	Amber/ Black
Specific Gravity	ASTM D-1638	1.18	1.02
Viscosity	Brookfield LVF	600 cps +100	500 cps + 100
Mixing Ratio	By Volume	50	50
Gel time (string)	String gel		5-6 seconds
Gel time	Dry to touch/tack free		10 seconds
Pounds Per Gallon	From Spec. Gravity	9.83	8.50

PHYSICAL PROPERTIES:

DENSITY (PCF)	(ASTM D-1622)	65
SHORE A HARDNESS	(ASTM D-2240)	90 - 95
SHORE D HARDNESS	(ASTM D-2240)	60
TENSILE STRENGTH	(ASTM D-2370)	2500 psi minimum
ELONGATION	(ASTM D-2370)	250% average
TEAR STRENGTH	(ASTM D-1004)	400 pli minimum
TABER ABRASION (H-18 WHEEL, 1000 CYCLES)		0.013% weight loss



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

Technical Data

STORAGE AND USE:

Filled and pigmented resins will separate upon storage. Premix the B component prior to use each day. Urea resins are sensitive to moisture and must be kept dry at all times. Blanket open drums with nitrogen when in use. Keep unused materials tightly sealed in a dry environment. Store drums between 70° and 90° F. Intellathane® 550 components are temperature sensitive and will freeze. Should the components freeze they can be heated to 100° F and remixed prior to use. Storage of the A component below 55° F will lead to reduced product performance.

Warning: Do not reseal isocyanate drums if exposed to moisture, pressure may develop and rupture drum.

See MSDS and labels for more information.

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