

Technical Data

INTELLATHANE 550

DESCRIPTION

INTELLATHANE 550 is a 100% polyurea spray elastomer with exceptional physical properties. Its instantaneous 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	“A”	“B”
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 method	5 sec	5 sec
Dry to touch	Touch	10 sec	10 sec
Pounds Per Gallon	From Spec. Gravity	9.83	8.5

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 min.
ELONGATION	(ASTM D-2370)	150% ave.
TEAR STRENGTH	(ASTM D-1004)	550 pli min.
TABER ABRASION (H-18 WHEEL, Loss/1000 CYL)		0.014%



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