

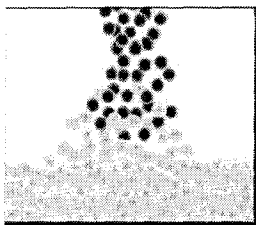
Technical Product Data

ELASTOCAST[®] S55090R Resin

ELASTOCAST[®] S55090T Isocyanate

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The Chemical Company



ELASTOCAST[®] S55090 is a two component, spray-in-place, 100% solids, flexible polyurethane/polyurea elastomer system. It is designed for processing through plural component high-pressure impingement-mix polyurethane dispensing equipment.

ELASTOCAST[®] S55090 is a fast cure, textured surface, multi-purpose material, designed for commercial and industrial applications not requiring rated materials. It exhibits excellent adhesion to most materials and is suitable as a protective-abrasive-impact coating for cementitious, metal, polyurethane and/or wood surfaces.

Physical Properties and Reactivities:

Physical Properties	TEST METHOD	Value
Density (pcf)	ASTM D-1622	70
Hardness (shore "D")	ASTM D-2240	45
Abrasion Resistance (taber)	ASTM D-4060	0.10% per 1,000 cycles
Tensile Strength (psi)	ASTM D-2370	1800
Elongation (%)	ASTM D-2370	115
Tear Resistance (pli)	ASTM D-1004	304
Color	Fed Std 595B	Black
Flammability	Iso 3795/FMVSS 302	0.63" Standard is < 4"/min

Liquid Properties	TEST METHOD	"A" (Iso)	"B" (Polyol)
Viscosity (cps)	ASTM D-1638/D-4878	600 ± 100	1100 ± 100
Specific Gravity (gr/cc)	ASTM D-1638/D-4878	1.15	1.08
Mixing Ratio (by volume) A/B		50	50

Processing Parameters	"A" (Iso)	"B" (Polyol)
Mixing Ratio (by volume) A/B *	50	50
Hand Mix / Gel / Cure	3 seconds / 6 Seconds/ 24 hours (do not walk-on or use for 24 hours, minimum)	

* Follow directions on label, mix contents of "B" polyol drum thoroughly before each use.

Machine	"A" (Iso)	"B" (Polyol)
Pressure (psi)	1500	1500
Pre-Heater Temperature °F	120-150	120-150
Hose Temperature	120-150	
Gun	Glas-Craft Probler [®] 2 #01 round spray chamber or equal	

* Both the "A" ISO and "B" POLYOL components shall be pump fed to high pressure spray-in-place plural component dispensing equipment.

* Gun and tip combinations are influenced by part geometry, desired finish and other factors, and should be determined by the applicator.

Specifications Met

Iso 3795
FMVSS 302