

InstaCote GRP-45

GRP-45 is a medium curing, flexible but extremely durable 100% polyurea coating engineered for applications where a softness and more gripping surface is required. GRP-45 was originally developed for usage on outdoor playground systems, but additional tests and uses such as packaging containers and metal shipping containers have proven extremely successful.

Typical Physical Properties

	WET
Solids	
By Weight	100%
By Volume	100%
VOC	0.0 lbs/gal
Weight/gallon	9 lbs combined
Viscosity	
A Component (Isocyanate)	800-1000 s/cps @ 25° C
B Component (Amine polymer)	600-800 s/cps @ 25° C
Cure Times	
Gel	3-4 seconds
Tack Free	50-60 seconds
Initial Cure	10 minutes 24 HOUR Post Cure)
Recoat	Within 2 hours
Shelf life	6 months
Clean up solvent	Xylene, MEK, Isopropyl alcohol, Methyl Pryolidone
	CURED
Stress/tensile strength D-638	1200 psi
Elongation @ 25° C (77o F)	800%
Hardness	60-65 Shore A
100% Modulus	150 / 80
Tear Strength d-624	75 PLI
Thermal Shock	-65° F with no effect
Impact Notched	65-85 in-lbs./in.
Coefficient of Thermal Expansion	4 x 10 (-5) in/in.C
Abrasion Resistance	200 mg

The InstaCote GRP-45 Polyurea product can be ordered in different colors. Contact the InstaCote office for availability.

InstaCote, Inc.
 160 C Lavoy Road
 Erie, Michigan, USA 48133
 Phone (734) 847-5260 Fax (734) 847-9008
 E-mail rick.reinbolt@instacote.com
 www.instacote.com