

InstaCote SE FR

Polyurea Coating—Flame Retarded

Typical Physical Properties

WET

Solids			
By Weight	100%		
By Volume	100%		
VOC	0.0 lbs/gal		
Coverage	Thickness	Area	Usage
	30 mil (1/32")	1 sq/ft	0.15 lbs
	60 mil (1/16")	1 sq/ft	0.32 lbs
	90 mil (3/32")	1 sq/ft	0.40 lbs
	120 mil (1/8")	1 sq/ft	0.58 lbs
	180 mil (3/16")	1 sq/ft	0.82 lbs
Weight/gallon	9 lbs combined		
Viscosity			
A Component (Isocyanate)	800-1000 s/cps @ 25° C		
B Component (Amine polymer)	700-1000 s/cps @ 25° C		
Cure Times	35 to 50 seconds		
Gel	3 to 4 seconds		
Tack Free	25 seconds		
Post Cure	24 hours		
Recoat	Within 2 hours		
Shelf life	Indefinite		
Clean up solvent	Xylene, MEK, Isopropyl alcohol, Methyl Pryolidone		
Thinner	Never Recommended		

CURED

Stress/tensile strength	2600-2900 psi
Elongation @ 25° C (77° F)	280-350%
Hardness	54 Shore D
100% Modulus	1750-1950 psi
Tear Strength Ply	410 PLI
Thermal Shock	-65° F with no effect
Smoke Index E-84	115
Flame Spread E-84	20

InstaCote, Inc.
 160 C. Lavoy Rd.
 Erie, Michigan, USA 48133
 Phone (734) 847-5260
 Fax (734) 847-9008