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EPL-4
SLOW SET POLYUREA ELASTOMER
 Spray – Pour – Air Assist
 Preliminary Data 08.02.11

WET PROPERTIES @ 77°F (25°C)	
Solids by Volume	100%
Solids by Weight	100%
Volatile Organic Compound	0 lbs/gal (0g/l)
Theoretical Coverage	100 sq. ft. @ 16 mils/gal
Weight per gallon (approx.)	8.55 lbs. (3.87 kg)
Number of Coats	1 or more
Mix Ratio by Volume	1 "A": 1 "B"
Viscosity (cps) @ 77° F (25° C)	A: 800 approx. B: 600 approx.
Shelf Life @ 60° – 90°F (15° - 32°C)	Six months

Sprayed

DRY PROPERTIES @ 55 mils (1.39 mm)* SPRAYED @ 160°F (71°C)	
Tensile Strength ASTM D638	3396 PSI (23.60 mpa) Average
Elongation ASTM D638	419% Average
Hardness (Shore A) ASTM D2240-81	92 (0s)
Hardness (Shore D) ASTM D2240-81	50 (0s)
Service Temperature	-30°F - +175°F

The samples for tests were sprayed with Gusmer H-20/35 Pro proportioner @ 2500 psi (17.38 mpa) dynamic pressure. Primaries/Hose Heat 160°F (71°C) Gap Gun w/ 000 mixing chamber. Test results from Air Products

SPI REACTIVITY CURING SCHEDULE @ 160°F (71°C) SPRAYED	
Gel	4 min. approx.
Tack Free	18 min. approx.
Recoat	3 min. – 12 hours
Post Cure**	72 hours

Poured

DRY PROPERTIES @ 125 mils (3.175 mm)* POUR @77°F (25°C)	
Tensile Strength ASTM D638	2300 PSI (15.99 mpa) Average
Elongation ASTM D638	246% Average
Hardness (Shore A) ASTM D2240-81	99 (0s)
Hardness (Shore D) ASTM D2240-81	59 (0s)
Service Temperature	-30°F - +175°F

Air assist sprayed with SPI/Gusmer PPP proportioner with static mixer on SPI valve gun

SPI REACTIVITY CURING SCHEDULE @ 77°F (25°C) POUR	
Gel	4min. approx.
Tack Free	20 min. approx.
Post Cure**	72 hours
Recoat	3 min. – 12 hours

*All cured film properties are approximate since processing parameters, ad-mixture types, and quantities will change physical properties of cured elastomer. All samples for above tests were force cured or aged for more than three weeks, it is recommended that the user perform their own independent testing.

**Complete polymerization to achieve final strength can take up to several weeks, depending on a variety of conditions.