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**EPL-4**  
**SLOW SET POLYUREA ELASTOMER**  
 Spray – Pour – Air Assist  
 Preliminary Data 02.24.14

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

**Sprayed**

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

The samples for tests were sprayed with Graco HXP3 @ 2500 psi (17.38 mpa) dynamic pressure. Primaries/Hose Heat 170°F (77°C) MP Fusion Gun with 2929 mixing chamber. Test results from Air Products

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

**Poured**

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

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

<b>SPI REACTIVITY CURING SCHEDULE @ 77°F (25°C) POUR</b>	
<b>Gel</b>	4min. approx.
<b>Tack Free</b>	20 min. approx.
<b>Post Cure**</b>	72 hours
<b>Recoat</b>	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 days or weeks, depending on a variety of conditions or product type.