



VersaFlex Incorporated  
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## Material Processing & Handling Information

**Material:** LS/45

**Material Type:** Ambient Cure Spray Polyurea

**Application:** Low Pressure Polyurea Spray

**Application Process:** Low Pressure Plural Component Pump

Process Equipment:	Pumps	Dispensing Gun
<b>AST:</b>	PCH GMP-025 PCH GMP-050 PCH GMP-075	
<b>Graco:</b>	E-10 Reactor	K2
<b>Spray Wand &amp; Air Cap:</b>	3/8" #7700920 Nordson	AG250 (Pneumatic)
	#7701282 Nordson	Albion B26T600 (Manual)
<b>Process Temperature:</b>	Ambient (60°F min. material temperature due to increase in viscosity and maximum 120°F)	
<b>Process Pressure:</b>	80 - 90 psi	
<b>Mix Ratio:</b>	1:1	
<b>Tack Free:</b>	20 minutes	
<b>Open to Light Foot Traffic:</b>	8 Hours	
<b>Moisture Content:</b>	Substrate should be visibly dry. Concrete: 5% maximum as per ASTM F2170 & ASTM F2420	
<b>Application Temperature:</b>	-20°F and higher  Note that <b>LS/45</b> will cure at sub-freezing temperatures, but the effects from these conditions may impact the application in a variety of ways. It is recommended that material and equipment ambient temperatures be kept at 60°F or above. Frozen concrete substrates with high moisture content will affect coating adhesion and long-term performance.	
<b>Dew Point:</b>	Substrate temperature must be 5°F above dew point and rising before application of coating materials.	
<b>Surface Prep:</b>	Surface must be clean and free of dirt, dust, grease, oil, paint or other surface contaminants. Surfaces must be sound and dry.	

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**Surface Primer:** Porous surfaces should be primed with **VersaFlex** VF-20. Apply VF-20 at 6 to 10 wet mils: Two-component primer. Maximum overcoat time: 72 hours, after which a light recoat is required.

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**Spray Application:** Coating application varies with film thickness.

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	<b>Storage Temp</b>	<b>Storage</b>	<b>Special Handling</b>
<b>'A' Side</b>	60°F min. 70°F optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Use dry air desiccant for intake vent on drum.
<b>'B' Side</b>	60°F min. 70°F optimum	Keep dry. Keep from freezing. Store in covered temperature controlled environment if possible.	Mix well with mixer to re-disperse any settled pigment.

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**Safety:** Please consult product MSDS for full details.  
Safety glasses, Rubber gloves, Protective clothing, Organic vapor or fresh air respirator.

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