



PolyVers International  
87 Shawnee Avenue  
Kansas City, KS 66105  
(913) 321-9000  
(913) 321-1490 (fax)

## **Material Processing & Handling Information**

**Material:** SL/45

**Material Type:** Self Leveling Polyurea Joint and Crack Sealant

**Application:** Concrete Cold Joints, Expansion Joints and Random Cracks

**Application Process:** Low Pressure Plural Component Pump, Pneumatic, or Manual Caulking Gun, Static Mix

<b>Process Equipment:</b>	<b>Pumps</b>	<b>Dispensing Gun</b>
<b>AST:</b>	PCH GMP-025 PCH GMP-050 PCH GMP-075	
<b>Graco:</b>	E-10 Reactor	K2
<b>Spray Wand:</b>		TAH Industries: 1/2" 161-230 Sulzer: 3/8" MS 10-32 Well Made: 3334 (Manual) AG250 (Pneumatic)
<b>Process Temperature:</b>	Ambient (40°F min. material temperature due to increase in viscosity and maximum 120°F)	
<b>Process Pressure:</b>	50 psi and greater	
<b>Mix Ratio:</b>	1:1	
<b>Tack Free:</b>	~20 minutes	
<b>Initial Cure:</b>	8 Hours	
<b>Full Cure:</b>	7 days	
<b>Moisture Content:</b>	Joint should be visibly dry. Tramex Concrete Moisture Meter: 5% maximum	
<b>Application Temperature:</b>	0°F and higher.  Note that <b>SL/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 50°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. Concrete surfaces must be sound and dry. Joints should be ground to remove dirt and surface laitance using a grinder with a diamond or carbon blade.	

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**Surface Primer:** Porous surfaces should be primed with **PolyVers** VF-20. Apply VF-20 at 8 to 10 wet mils: Two-component primer. Maximum overcoat time: 72 hours, after which a light recoat is required.

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**Sealant Application:** Sealant depth should be ½ the sealant width, but in no case make the depth greater than 1" in any joint configuration.

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	<b>Storage Temp.</b>	<b>Storage</b>	<b>Special Handling</b>
<b>'A' Side</b>	55°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>	55°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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