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# Product Data Sheet

## SL/75 Joint Filler & Ambient Cure Spray Polyurea

**Product Description-** *PolyVers SL/75* is a self-leveling, 100% solids, flexible, two component, rapid curing polyurea elastomer joint filler and ambient temperature cure spray material. Designed for 10- 15% movement of installed joint width. Recommended time of cure of concrete minimum 30 days prior to installing joint filler or joint sealant.

**Uses-** *PolyVers SL/75* is used to fill interior random cracks, control joints or new construction joints on horizontal concrete surfaces. *PolyVers SL/75* is designed specifically for industrial floor applications receiving heavy vehicle traffic, such as forklift or steel wheeled carts. *SL/75* is flexible, accommodating small slab movement yet strong enough to protect the vertical edges of concrete from spalling under extreme loading. *SL/75* can be used in exterior applications where little joint or crack movement from thermal cycling will occur. Use as low-pressure spray coating with ambient cure on all bondable surfaces. *SL/75* is recommended for repair of cracks, damaged control joints or new construction joints in cold storage facilities, freezers, and food processing plants where time and temperature are serious concerns.

### Ideal for Applications In-

- Industrial Facilities
- Roofing
- Warehouse Floors
- Manufacturing Facilities
- Water and Waste Water Treatment
- Cold Storage Facilities
- Food Processing Facilities
- Pulp and Paper Mills
- Bottling and Canning Facilities
- Freezers
- Airports

### Advantages-

- 100% Solids, Meets VOC Regulations
- Flexible, 460-500% Elongation
- Remains Flexible in Cold Temperatures
- Return Project to Service in 60 Minutes
- Cures From -40°F to 130°F
- Odorless, No Toxic Vapors

### Physical Properties-

<u>Cured Film Properties</u>	<u>Test Method</u>	<u>Typical Value</u>
Solids Content		100%
Shore Hardness	ASTM D2240	75-80A
Elongation	ASTM D412	100-150%
Tensile Strength, psi	ASTM D412	620
100% Modulus, psi	ASTM D412	280
300% Modulus, psi	ASTM D412	450
Tear Strength, pli, Die C	ASTM D624	150
Taber abrasion, mg wt loss (1000 gms, 1000 revs, H-18 wheels)	ASTM D4060	840
		<u>Pump Grade</u>
Pot Life		0 Minutes
Tack Free		2-3 Minutes
Initial Cure		60 Minutes
Final Cure		7 Days

## Chemical Resistance-

		Test Procedure: <b>ASTM D1308</b> 25°C Exceeds 1 Year	
*Recommended	R	<b>Test Media</b>	
* Recommended Conditionally (washdown within 1 hour of spillage)	C	Acetone	C
*Not Recommended	N	Antifreeze	R
*Suitable for immersion and/or splash and spillage conditions	1	Benzene	R
*Suitable for occasional or intermittent contact for up to 72 hours	2	Benzoic Acid	R
Test Procedure: <b>ASTM D3912</b> 25°C Exceeds 1 Year		Butyl Alcohol	R
<b>Test Media</b>		Butyl Cellosolve	R
Acetic Acid 10%	C	Carbon Dioxide	R
Ammonium Hydroxide 10%/20	R	Calcium Hypochlorite	N
Diesel Fuel	R	Chlorine (5000 ppm in water)	2
Gasoline	R	Citric Acid	R
Hydraulic Fluid	R	Cylohexanol	R
Hydrochloric Acid 5%/10%	R	Dichloacetic Acid	C
Methanol	R	Dimethyl Formamide	N
Motor Oil	R	Ethanol	2
MTBE	R	Ethylene Glycol	1
MTBE/Gasoline 5%	R	Gasoline	R
NaCl/Water 10%	R	Hexane	R
Phosphoric Acid 10%	R	Hydraulic Oil	R
Potassium Hydroxide 10%/20%	R	Lactic Acid 10%	1
Sodium Hydroxide 10%/20%/50%	R	Methylene Chloride	C
Sugar/Water 10%	R	Methyl Ethyl Ketone	C
Sulfuric Acid 5%/10%	R	Methanol	R
Skydrol	2	Mineral Spirits	R
Toluene	C	Monobutyl Ether	R
Water	R	Nitric Acid 20%	C
2-Methylbutane	R	Phenol	2
		Skydrol	2
		Sodium Bicarbonate	R
		Sodium Chloride	R
		Sodium Hydroxide 50%	R
		Sodium Hypochlorite 10%	2
		Stearic Acid	R
		Sulfuric Acid 70%	N
		Trichloroethylene	C
		Trisodium Phosphate	R
		Toluene	C
		Vinegar	R
		Xylene	C

**Limitations-** SL/75 should not be used to fill exterior cracks, control joints, or construction joints if deck or slab movement from thermal cycling is expected. See **PolyVers** specification: **Low Temperature Joint Filler** for applications below 40°F.

SL/75 is an aromatic based polyurea. Discoloration from exposure to ultraviolet light may occur, however the physical properties are unaffected.

## Coverage Rates-

Linear Feet Per Gallon: Theoretical

Inches	1/4	1/2	3/4	1
1/4	308	154	103	72
1/2	154	77	51	38
3/4	103	51	34	26
1	72	38	26	19

Linear Feet Per 600ML Cartridge: Theoretical

Inches	1/4	1/2	3/4	1
1/4	53	27	18	13
1/2	27	13	9	7
3/4	18	9	6	4
1	13	7	4	3

## Packaging-

- One Hundred Ten Gallon Kit: 55 gallons of 'A' side and 55 gallons of 'B' side. Drum containers filled by weight, volume is closely approximate.
- Ten Gallon Kit: 5 gallons of 'A' side and 5 gallons of 'B' side.
- Six Hundred ML Cartridge: 300ML of 'A' side and 300ML of 'B' side packaged as a duplex cartridge. Ten cartridges per case.

## Mixing-

Machine Dispensing:

Use 1:1 ratio pump, with or without heater as required for individual application. Low -pressure spray head should be used for ambient cure spray applications. For information contact **PolyVers** or your local dealer.

**Colors-** Standard color is charcoal gray, light gray, or black. Other colors available upon request. Consult **PolyVers**.

**Shelf Life-** One year, in original, unopened factory containers, under normal storage conditions of 55°F to 95°F.

**Clean Up-** Cured product may be disposed of without restriction. Excess liquid 'A' and 'B' material should be mixed together and allowed to cure, then disposed of in the normal manner. Product containers that are "drip free" may be disposed of according to local, state and federal laws.

**Safety-** Read Material Safety Data Sheets provided with all shipments. Additional copies are available upon request from **PolyVers** or your local dealer.

Basic safety for personal protection is:

- Long-sleeve overalls or disposable Tyvex overalls.
- Rubber gloves.
- Splash shield or safety glasses with splash guards.
- Rubber or leather boots.
- Do not use near high heat or open flame.
- Do not take internally.
- Keep out of the reach of children.

**Preparation and Installation-** Regard **PolyVers** specification: **Polyurea Joint Filler**, for detailed joint preparation and installation procedures. Regard **PolyVers** specification: **Low-pressure polyurea spray application**, for detailed preparation and installation procedures.

## Technical Services-Sales and Customer Support (800) 870-8842

**Warranty-** **PolyVers International** will refund the price of or replace, at its election, product it finds to be defective provided the product has been used properly. Except as expressly stated above, the Company makes no warranty of merchantability and no warranty of fitness for any particular purpose, nor does it make any warranty, expressed or implied, of any nature whatsoever with respect to the product or its use. In no event shall the company be liable for delay caused by defects, for loss of use, for indirect, special or consequential damages, or for any charges or expenses of any nature incurred without its written consent.