



SELF-LEVELING INTERIOR JOINT FILLER

USGBC LEED, EQ Credit 4:
Low-emitting VOC Compliant Materials



686 S. Adams Street · Kansas City, KS 66105
(913) 321-9000

PRODUCT DATA SHEET

1. PRODUCT DESCRIPTION

VersaFlex SL/90 is a self-leveling, 100% solids, semi-rigid, two component, rapid curing modified polyurea semi rigid joint filler. May be applied in temperatures down to -40°F. **SL/90** is designed with low range adhesion strength similar to epoxy joint fillers which provides characteristics for separation during the concrete shrinkage process. Provides additional protection from spalling of joint edges/shoulders where heavy, hard wheel fork lift traffic are required. Ideal for industrial and warehouse applications where epoxy joint fillers would also be specified. Recommended time of concrete cure a minimum of 28 days prior to installing joint filler or joint sealant.

2. USES

VersaFlex SL/90 is used to quickly fill interior joints on horizontal concrete surfaces, to repair damaged control joints, random cracks, and freezer door thresholds. **SL/90** may be used in interior control joint applications.

Ideal for Applications in:

- Warehouses
- Industrial facilities
- Saw cut joints
- Cold storage facilities
- Food processing facilities
- Filling random cracks
- Freezers
- Airports
- Polished concrete
- Correctional facilities

Advantages:

- 100% solids, no VOC's
- Remains flexible in cold temperatures
- Return project to service in 60 minutes
- Cures from -40°F to 130°F
- Odorless, No toxic vapor
- USDA/FSIS approved
- Resists jet fuel
- Pick proof

3. PHYSICAL PROPERTIES

Mix Ratio	1:1
VOC	0
Tack Free, <i>ASTM D1640</i>	2 - 3 Minutes
Recommended to Shave	20 Minutes
Open to Foot Traffic, <i>ASTM D1640</i>	60 Minutes
Tensile Strength (psi) <i>ASTM D638</i>	1200 - 1400
Tensile Elongation (%) <i>ASTM D638</i>	250 - 550
Modulus of Elasticity (psi) <i>ASTM D638</i>	600 - 900
Adhesion to concrete (psi) <i>ASTM D4541</i>	300 - 400
Tear Strength (lb/in) <i>ASTM D624</i>	200 - 300
Shore A Hardness <i>ASTM D2240</i>	90 - 95
Shore D Hardness <i>ASTM D2240</i>	35 - 45
Tabor Abrasion, mg wt loss (1000g, 1000 revs, H-18) <i>ASTM D4060</i>	400 - 500

The value ranges stated in this Technical Data Sheet are based on system processing under laboratory conditions. Equipment configurations and/or field application conditions may produce variances in final system values.

Complies with all LEED® Green Building Standards. **SL/90** meets and/or exceeds the floor joint filler guidelines set forth by the American Concrete Institute (302.1R-04 Guide for Concrete Floor and Slab Construction, ACI Committee 302), ACI 360 and PCA (Concrete Floors on Ground, Third Edition 2001, James A. Farny, PCA).

4. LIMITATIONS

SL/90 should not be used to fill exterior cracks, control joints, or construction joints if deck or slab movement from thermal cycling is expected. See **VersaFlex** specification: **Cold/Freezer Applications**. Not recommended for use under non-breathing, resilient, or polymer flooring systems. Refer to Technical Bulletin for details. **SL/90** is an aromatic based polyurea. Discoloration from exposure to ultraviolet light may occur, however the physical properties are unaffected.

5. COVERAGE RATES

Linear feet per gallon: Theoretical

INCHES	1/4	1/2	3/4	1
1/4	249	138	92	64
1/2	138	69	45	34
3/4	92	45	30	23
1	64	34	23	17

Linear feet per 600ml cartridge: Theoretical

INCHES	1/4	1/2	3/4	1
1/4	32	24	16	11
1/2	24	11	8	6
3/4	16	8	5	3
1	11	6	3	2

6. PACKAGING & COLOR

- **Ten Gallon Kit:** 5 gallons of 'A' side and 5 gallons of 'B' side.
- **600ML Cartridges:** 300ml of 'A' side and 300ml of 'B' side packaged as a duplex cartridge. Ten cartridges per case.

COLORS: Consult ColorFlex chart(s) at www.versaflex.com.

7. MIXING

Machine dispensing: Use 1:1 ratio pump with or without heater as required for individual application.

8. PREPARATION & INSTALLATION

See **VersaFlex** specification: Polyurea Joint Filler for detailed joint preparation and installation procedures.

9. CLEAN UP

Cured product may be disposed of without restriction. Excess liquid 'A' & '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.

10. SAFETY

Review SDS at www.versaflex.com. Basic safety for personal protection is:

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

11. SHELF LIFE

One year from shipment date, in original, unopened factory containers, under normal storage conditions of 70°F to 95°F (21° - 35°C).

12. WARRANTY

During a period of one-year from date of shipping, VersaFlex Incorporated will refund the price of or replace, at its election, product it finds to be defectively manufactured, provided the product has been stored and used properly. Except as expressly stated herein, 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.