



SELF-LEVELING JOINT SEALANT

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/45 is a self-leveling, 100% solids, flexible, two-component, modified polyurea based elastomeric joint sealant material. **SL/45** is designed for 25% movement of an installed joint width. Recommended concrete cure of a minimum of 28 days prior to installing joint filler or joint sealant.

2. USES

VersaFlex SL/45 is used to fill random cracks, contraction joints, control joints or new construction joints on new or old horizontal concrete surfaces. **SL/45** is ideal for use on elevated parking decks, balcony decks, pedestrian decks and bridge decks where its quick and positive cure will allow rapid turn around and return to use. **SL/45** is highly flexible, retaining full properties and memory capability while allowing normal joint movement and accommodating to slab movement where designed movement and thermal cycling will occur.

Ideal for Applications in:

- Parking decks
- Bridge decks
- Roofing
- Sidewalks
- Balcony Decks
- Industrial facilities
- Water and waste water treatment

Advantages:

- 100% solids, no VOC's
- Remains flexible in cold temperatures
- Cures from 0°F to 130°F
- Resists jet fuel
- USDA/FSIS approved
- CFIA approved

3. PHYSICAL PROPERTIES

Mix Ratio	1:1
VOC, ASTM D3960	0
Gel Time, ASTM D1640	< 1 Minute
Tack Free, ASTM D1640	~ 20 Minutes
Open to Foot Traffic, ASTM D1640	8 Hours
Tensile Strength (psi) ASTM D638	400 - 500
Tensile Elongation (%) ASTM D638	600 - 750
Modulus of Elasticity (psi) ASTM D638	115 - 125
Tear Strength (lb/in) ASTM D624	90 - 125
Shore A Hardness ASTM D2240	≥ 45
Tabor Abrasion, mg wt loss (1000g, 1000 revs, H-18) ASTM D4060	450 - 700

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.

4. LIMITATIONS

SL/45 should not be used on slopes greater than 3%. Backer rod (open cell) should not be used -- fill to full depth where possible. Not recommended for use under non-breathing, resilient, or polymer flooring systems. Refer to Technical Bulletin for details. **SL/45** 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 60°F to 95°F (18° - 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.