



PRODUCT DATA SHEET

1. PRODUCT DESCRIPTION

VersaFlex Aliphatic Joint Sealant™ is a color stable, self-leveling, 100% solids, flexible, two component, rapid curing polyurea elastomer joint filler material. Recommended concrete cure of 30 days prior to installing joint material.

2. USES

VersaFlex Aliphatic Joint Sealant is used to fill random cracks, control joints or new construction joints on new or old horizontal concrete surfaces. **Aliphatic Joint Sealant** is ideal for use on flat interior surfaces, elevated parking decks, balcony decks, pedestrian decks, and on-grade slabs where its quick and positive cure will allow rapid turn around and return to use. **Aliphatic Joint Sealant** 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. **Aliphatic Joint Sealant** provides better durability to UV exposure than other VF joint materials. Not recommended in conditions where temperature changes and slab movement are present.

Ideal for Applications in:

- Areas where joint color stability is desired
- Showrooms
- Parking Decks
- Sidewalks
- Balcony Decks
- Industrial Facilities
- Interior climate controlled environments

Advantages:

- Color stable
- 100% Solids, No VOC's
- Remains Flexible in Cold Temperatures
- Return Project to Service in 12 Hours
- Cures From -20°F to 130°F

3. PHYSICAL PROPERTIES

VOC	0
Solids Content	100%
Gel Time, <i>ASTM D1640</i>	~ 1 Minute
Tack Free, <i>ASTM D1640</i>	2 - 3 Minutes
Shave Time, <i>ASTM D1640</i>	30 Minutes - 5 Hours
Tensile Strength (psi) <i>ASTM D638</i>	900 - 1400
Tensile Elongation (%) <i>ASTM D638</i>	350 - 650
Tear Strength (lb/in) <i>ASTM D624</i>	400 - 500
Shore A Hardness <i>ASTM D2240</i>	90+

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

Aliphatic Joint Sealant should not be used on slopes greater than 3%. Backer Rod (open cell) should be used in all joints with the exception of small random cracks. Not recommended for use under non-breathing, resilient, or polymer flooring systems. Refer to Technical Bulletin for details.

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 5000 Series ColorFlex chart at www.versaflex.com.

7. MIXING

Machine dispensing: Use 1:1 ratio pump, with or without heater through a static mixing wand. Manual caulk or pneumatic gun may also be used for installation.

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.