

JF-85

Semi-Ridged Polyurea Joint Filler



LEED® EQ Credit 4.1: Low Emitting Materials: Adhesives & Sealants

PRODUCT DESCRIPTION

JF-85 is a self-leveling, 100% solids, aromatic two-component Polyurea joint filler. **JF-85** is designed for 15-25% movement of an installed joint width. A minimum of 28 days is recommended for concrete to effectively cure prior to installing joint filler. **JF-85** can be used to fill interior random cracks, control joints or new construction joints on horizontal concrete surfaces.

FEATURES

- Rapid Cure
- 1:1 Mix Ratio
- 100% Solids
- No VOCs
- 80+ Shore A Hardness
- Suitable for -40°F to 200°F+ conditions
- Will Not Smear
- Moderate Elongation
- Resists jet fuel
- Pick Proof

LIMITATIONS

JF-85 should not be used to fill exterior cracks, control joints, or construction joints if deck or slab movement from thermal cycling is expected. This product is not recommended for use under non-breathing, resilient, or polymer flooring systems. **JF-85** is an aromatic-based polyurea. Discoloration from exposure to ultraviolet light may occur; however, the physical properties remain unaffected.

APPLICATIONS

- Polished Concrete
- Food Processing Facilities
- Big Box / Wholesale Clubs
- Airport Terminals
- Light Industrial Facilities
- Correctional / Prisons

PHYSICAL PROPERTIES

Mix Ratio:	1:1
VOC:	0%
Gel Time, (seconds): <i>ASTM D1640</i>	60-90
Tack-Free Time (minutes):	2-3 min
Open to Foot Traffic: <i>ASTM D1640</i>	15-20
Shore A Hardness: <i>ASTM D2240</i>	80-85
Elongation %: <i>ASTM D638 Type IV</i>	>240
Tensile Strength (PSI): <i>ASTM D638, Type IV</i>	>800
Tear Strength (lb/in.): <i>ASTM D624, Die C</i>	>400
Adhesion to Concrete: <i>ASTM D4541</i>	>300
Taber Abrasion, mg wt. loss: (1000, 1000 revs. H-18) <i>ASTM D4060</i>	>375

The values stated in this technical data sheet are produced under controlled laboratory conditions.

MIXING

Must be installed using a 1:1 ratio plural component pump or using a 600ml cartridge with a 600ml 1:1 cartridge caulking gun.

COVERAGE RATES

Linear Feet Per Gallon				
	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				
	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

The above figures are estimated coverage rates and can vary on the joint conditions. The above numbers a lot for 10% material waste due to overfilling.

COLORS

Please consult the SealSource International JF/JS Series Color Chart

PACKAGING Products are packaged by weight, so final package volume is a close estimation.

600ml Cartridge

300ml Part-A (Isocyanate) 300ml Part-B (Resin) packaged as a dual tube cartridge. Cartridges sold in cases of 4 or 10.

10 Gallon Kit

5 Gallons Part-A (Isocyanate) and 5 Gallons Part-B (Resin)

SHELF LIFE

A properly stored product in original, unopened factory containers, kept at a temperature above freezing should have a shelf life of 12 months from the date of shipment. Proper storage temperature is 60°F to 110°F (16°C to 45°C).

PREPARATION & INSTALLATION

Performance and adhesion are directly related to preparation. Prior to installation the joint sidewalls must be freshly abraded with a clean-out saw equipment with a diamond blade and then vacuumed clean to exposing clean, dust free edges to maximize adhesion. For rough or broom finished concrete it is recommended to avoid overfilling the joint as shaving could be difficult. For smooth non-densified concrete, a stain prevention product / method should be considered to prevent etching.

Material Installation Temperature: 70°F or greater ; Exposure Temperature: -40°F to 200°F

SAFETY

For in-depth information on product safety and precautions, please review the product SDS sheets. Prior to using the product, ensure that you have the proper personal protection equipment (PPE) available. This includes but is not limited to the following items:

- Safety Glasses with a splash shield
- Minimum Organic Cartridge Respirator
- Rubber or Nitrile Gloves
- Disposable or Reusable Long Sleeve Overalls
- Rubber or leather boots

Always be sure to follow the precautions listed below when using the material:

- Do Not use near high heat or open flame
- Do Not take internally
- Keep out of reach of children

CLEAN UP/ DISPOSAL

Excess material can be mixed together at the proper ratio and disposed of without restriction once cured. Product containers may be disposed of according to local, state and federal laws.

WARRANTY

SealSource® International LLC, 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.

TECHNICAL SUPPORT

For technical support, please call 801-224-3800 Monday to Friday between the hours of 8am – 5pm MST. You may also send an email anytime to technicalsupport@sealsource.com.