



**POLYCOAT  
PRODUCTS**  
A Division of American Polymers Corp.

**POLY-CAULK® JF**  
*Self-Leveling, Jet Fuel Resistant  
Polyurethane Caulking Compound  
Technical Data Sheet*

**DESCRIPTION**

Poly-Caulk® JF is a two component, Jet Fuel/Chemical Resistant, 1:1 ratio, self-leveling polyurethane caulking sealant.

**FEATURES**

- ❖ Meets VOC Regulations
- ❖ Flexible
- ❖ Non-Toxic
- ❖ Remains Flexible, Even In Cold Temperatures
- ❖ Conforms to Federal Specification SS-S-200E

**USES**

Poly-Caulk® JF is used on interior / exterior horizontal concrete surfaces, to repair random cracks and joints.

- ❖ Airport Runways
- ❖ Bridge Headers
- ❖ Parking Aprons

**COLORS**

Black Only

**PACKAGING**

10 gallon kit: One 5 gallon pail of Side-A and One 5 gallon pail of Side-B.

100 gallon kit: One 55 gallon drum (net 50 gallons) of Side-A and One 55 gallon drum (net 50 gallons) of Side-B.

**COVERAGERATESLF/Gallon**

Width of Joint

	¼"	⅜"	½"	⅝"	¾"	⅞"	1"
¼"	308	205	154	123	102	88	77
⅜"	205	136	102	82	68	58	51
½"	154	102	77	61	51	44	38
⅝"	123	82	61	49	41	35	30
¾"	102	68	51	41	34	29	25
⅞"	88	58	44	36	29	25	22
1"	77	51	38	30	25	22	19

Coverages and yields shown do not include allowances for loss or waste and variations in job conditions. Each user must establish their own factors for loss from experience.

**TECHNICAL DATA**

Mixing Ratio (A:B) by volume .....	1:1 (A:B)
Working Life @ 77°F, 50% RH .....	2 hours
Working Life (Accelerated) @ 77°F, 50%RH .....	35 minutes
Tackfree Time @ @ 77°F, 50% RH .....	12 hours
(Fed Spec, SS-S-200E)	
Cure Time @ 77°F, 50% RH .....	48-72 hours
Hardness, ASTM D-2240, Shore A .....	15 ± 5 Shore A
Specific Gravity	
Part-A .....	1.02
Part-B .....	1.27
Viscosity at 24°C (75°F)	
Part-A .....	2000 ± 300 cps
Part-B .....	3000 ± 300 cps
Tensile Strength, ASTM D-412 .....	400 ± 50 psi
Elongation, ASTM D-412 .....	900 ± 10%
Tear Strength, ASTM D-624 .....	60 ± 25 pli
Shrinkage .....	Negligible

**SURFACE PREPARATION**

Allow concrete to cure 28 days before installation.

All joints must be clean and dry prior to installing Poly-Caulk® JF.

Remove all dust from the concrete pores prior to installing Poly-Caulk® JF.

All joints must be absolutely clean.

The use of primer is optional. If primer is required, Polycoat recommends the use of Polyprime 2180.

All curing compounds, old caulks, grease, waterproofing compounds, etc., must be removed.

For non-porous surfaces such as metal, etc., clean to bright surface is recommended.

Polyethylene rod or polyurethane foam is recommended as a joint-filler and back-up material.

Joint Design: Suitable for all properly designed joints following accepted engineering practices.

**MIXING**

Poly-Caulk® JF may not be diluted under any circumstance. Pre-mix Poly-Caulk® JF Side-B material before combining with Side-A. Side-A material requires no mixing.

Add Side-A to Side-B while mixing, using a mechanical mixer at low speed. Mix until a homogeneous mixture and color is obtained (at least 5 minutes).

Use care to scrape the sides of the container to ensure that no unmixed material remains.

Use caution not to whip air into the material as this may result in pinhole blisters and/or shortened pot life.

## APPLICATION

Apply using a caulking gun, hand pressure-type or pour from container.

This material can be applied at environmental temperatures from 40°F (4.4°C) to as high as 135°F (57°C).

The product needs to be conditioned at 75-80°F prior to use.

## FINISHING

Open to traffic once Poly-Caulk® JF has set.

## CLEANUP

Cured product may be disposed of without restriction. Mix excess A and B material and allow to cure. Check local, state and federal laws before disposing of material.

## STORAGE

Poly-Caulk® JF should be stored at room temperature, 60-90°F (15-35°C).

Poly-Caulk® JF has a shelf life of one (1) year from date of manufacture in original, factory-sealed containers.

## LIMITATIONS

Do not use in cracks, construction joints or control joints if surface is subject to thermal cycling.

Discoloration will occur if exposed to UV, however no change will occur in the physical properties.

## WARNING

This product contains Isocyanates and Curatives.

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*Please read all information in the general guidelines, product data sheets, guide specifications and material safety data sheets (MSDS) before applying material. Published technical data and instructions are subject to change without notice. Contact your local Polycoat Products representative or visit our website for current technical data and instructions.*

### LIMITED WARRANTY

Polycoat Products warrants its products to be free of manufacturing defects and that they will meet Polycoat Products current published physical properties. Polycoat Products warrants that its products, when properly installed by a state licensed waterproofing contractor according to Polycoat Products guide specifications and product data sheets over a sound, properly prepared substrate, will not allow water migration for a period of one (1) year. Seller's and manufacturer's sole responsibility shall be to replace that portion of the product of this manufacturer which proves to be defective. There are no other warranties by Polycoat Products of any nature whatsoever expressed or implied including any warranty of merchantability or fitness for a particular purpose in connection with this product. Polycoat Products shall not be liable for damages of any sort, including remote or consequential damages resulting from any claimed breach of any warranty whether expressed or implied. Polycoat Products shall not be responsible for use of this product in a manner to infringe on any patent held by others. In addition, no warranty or guarantee is being issued with respect to appearance, color, fading, chalking, staining, shrinkage, peeling, normal wear and tear or improper application by the applicator. Damage caused by abuse, neglect and lack of proper maintenance, and nature and/or physical movement of the substrate or structural defects are also excluded from the limited warranty. Polycoat Products reserves the right to conduct performance tests on any material claimed to be defective prior to any repairs by owner, general contractor, applicator.

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