



# **FUTURE FLASH®**

## **SEALANT**

### **DESCRIPTION:**

Future Flash® Sealant is a moisture curing one-component polyurethane sealant/adhesive. It is non-sag and considered a low modulus sealant. It is designed exclusively for use with MFM Future Flash® Window Waterproofing System and associated applications.

### **ADVANTAGES:**

- Excellent compatibility with building components
- Paintable
- Exceptional adhesion
- Permanently flexible
- Good wet property performance
- Fast cure / No shrinkage
- Long life / UV stable

### **TYPICAL USES:**

- Wood, metal, vinyl and composite siding
- Exterior trim
- General construction details
- Installation of wood, aluminum and vinyl window, door, siding and vents
- Sealing in association with building papers and lath papers
- Steel / Sheet metal construction
- Concrete seals

### **SPECIFICATION COMPLIANCE:**

TT-S-00230C Type II, Class A  
ASTM C-920, Type S  
Grade NS, Class 25, Use NT, M, A, G and O  
AAMA 808.3

### **SURFACE PREPERATION:**

Joint surfaces, flashing surface and backer rod must be free of all contaminants such as oil, grease, wax, dust, corrosion, tar, asphalt, loose aggregate, frost, and decorative and protective coatings. Glass, metal and other non-porous surfaces must be free of any coatings and wiped clean with solvent.

### **JOINT DESIGN:**

Butt joint width should be 1/4" minimum except between wood surfaces where width should be 1/2" minimum. Sealant depth should not exceed joint width, and in no case, should the depth be greater than 1/2" or less than 1/4". In fillet joints the sealant should contact each surface 1/4" minimum. Depth should be 1/4" minimum. Beads, for bedding or lap joints, should be 3/8" in diameter. Use open cell polyurethane, reticulated polyethylene or closed cell polyethylene backer rod. A bond breaker tape should be used in shallow joints to prevent 3 sided adhesion.

### **LIMITATIONS:**

- Future Flash® Sealant must not be applied to frost bearing surfaces if the temperature will remain below freezing for more than 24 hours.
- Do not use in close proximity to uncured neutral cure silicones
- Not recommended for joints that will be subjected to continuous immersion.
- Not to be used as a substitute for mechanical fasteners.
- Tooling techniques using solvents or soapy solutions are not recommended.
- Do not use in direct contact with polystyrene foam board.
- The suitability of this product, for each intended use, must be determined by the purchaser prior to acceptance.

### **CLEAN UP:**

Use mineral spirits to remove excess sealant before it cures and to clean equipment. (Caution: mineral spirits is flammable and toxic. Observe manufacture's precautions.)

### **COVERAGE:**

3/16" bead = 55 lineal feet  
3/8" bead = 14 lineal feet  
1/4" bead = 24 lineal feet

**PROPERTIES:**

Property:	Typical Value	Test Method
Cure Rate: 1/8" bead	24 Hours	In House Testing
Sag:	<0.05"	ASTM C2202
Tack Free Time:	16 Hours	ASTM C679
Viscosity: #7@10rpm	300,000 cps	ASTM D2196
VOC:	45-55 g/l	ASTM D3960
Density:	12.2 lbs/gal	ASTM D1475
Elongation:	950%	ASTM C719
Tensile Strength:	250 psi	ASTM D412
Hardness: (Shore A)	35	ASTM D412
Peel Adhesion:		
Aluminum	30 pli	ASTM C794
Concrete	30 pli	ASTM C794
Glass	30 pli	ASTM C794
Total Joint Movement:	±25%	ASTM C719
Service Temperature:	-40°F – 180°F	
Shelf Life:	Future Flash™ Sealant has a nine (9) month self life when stored at or below 80°F.	
Note: Skin and cure times are dependant on temperature, humidity and porosity of the substrates. The times listed above were tested at 77°F and 50% RH. Lower humidity and cooler temperatures and non-porous substrates will lengthen these times.		

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## Pro Installer

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