

## BASIC USES

BRINC Fluid FS is a dual-purpose flashing and sealant designed for use with ThermalBuck™ and ThermalTight™. Its applications include perimeter sealing of ThermalBuck™, sealing doors and windows, sealing other joints and gaps, flashing windows, and flashing penetrations and damage to ThermalTight™ panels. It is compatible with a variety of substrates, including window flanges and casings, wood framing, OSB sheathing, plywood sheathing, steel framing, concrete, and masonry.

## PACKAGING

- 20 fl. oz. (592 ml) sausages
- Application gun not included

## PRODUCT DESCRIPTION

BRINC Fluid FS is a one part, neutral curing, ultra low modulus silicone sealant that reacts with atmospheric moisture to form a durable, flexible building sealant. BRINC Fluid FS will not stain natural stone such as marble and granite and will not contribute to residue run down on non-porous surfaces such as metal and glass curtain wall facades.

BRINC Fluid FS performs exceptionally well under dynamic conditions due to its ultra-low modulus, high extension & compression, recovery properties and strong adhesion to most building materials and accommodates long-term movement of +100/-50% in properly designed joints. Harsh weather conditions, rain, sleet, snow, sunlight and extreme temperatures, high ozone concentrations and/or exposure to intense ultraviolet rays have very little effect on the ultimate performance of BRINC Fluid FS, even after years of such exposure.

BRINC Fluid FS is particularly well suited for use with building envelope materials because of its proven strong adhesion to all base and top coats and because its ultra-low modulus formulation places minimal stress on the bond line.

## LIMITATIONS

BRINC Fluid FS should only be used as directed by the manufacturer and in accordance with instructions provided for ThermalBuck™ and ThermalTight™ at time of purchase. BRINC Fluid FS should not be used in the following applications:

- When flashing tapes are used. Most tapes will not stick to BRINC Fluid FS.
- Below grade or sealing submerged joints or below the waterline in marine uses.
- In totally confined or air-free spaces since moisture is necessary for cure.
- In designs that will be painted after application of the sealant. Sealant should be applied after painting is completed.
- With building materials that bleed oils, plasticizers or solvents, i.e. impregnated wood, oil-based caulks, some vulcanized rubber gaskets or tapes, etc.
- In interior penetration firestop systems.

## TECHNICAL DATA

**Applicable Standards:** BRINC Fluid FS meets or exceeds the requirements of the following industry specifications; TT-S-230C, Class A, ASTM C-920, Class 100, Type S, Grade NS, Use G,A,M,O and CGSB-19GP-9, ASTM C-248, CAN/CGSB-19.13-M87.

**Joint Design:** Proper sealant dimensions are critical when installing BRINC Fluid FS. Generally, a sealant width-to-depth ratio of 2:1 is recommended. Dynamic joint conditions will require a minimum 1/4" width and 3/16" depth in order to maintain the sealant's movement capabilities. Do not use on joints greater than 1" wide. The width of building expansion joints varies because of seasonal and daily changes in temperature.

## MANUFACTURER

**BRINC Building Products, Inc.**  
1270 Route 66  
New Bethlehem, PA 16242  
Phone: 814-275-5002  
Website: [www.brinbpb.com](http://www.brinbpb.com)

**TABLE 1: TYPICAL UNCURED PROPERTIES at 77°F (25°C), 50% R.H.**

Test Property	Value	Test Procedure
Flow, Sag, Slump (in.)	<0.1	ASTM C639
Tool/Work Time (minutes)	15-25	
Tack Free Time (hours)	1-2	ASTM C679
Cure Time (days)	7-14	
Full Adhesion (days)	7-14	
VOC Content (g/l)	98	EPA Method 24
SCAQMD Rule #1168*	<50	
VOC Emissions (TVOC)	Passes	CDPH v1.2-2017 (CA Specification 01350)

**TABLE 2: TYPICAL CURED PROPERTIES After 7 days cure at 77°F (25°C), 50% R.H. Test**

Test Property	Value	Test Procedure
Hardness (Shore A)	20	ASTM C661
Elongation (%)	1000	ASTM D412
Modulus @ 100% Elongation (psi)	30	ASTM D412
Ultimate Tensile Strength (psi)	120	ASTM D412
Tear Strength (ppi)	30	ASTM D624
Peel Strength (pli) on aluminum, glass, and concrete	25	ASTM C794
Dynamic Movement Capability (%)	+100-50	ASTM C719
Ozone/UV Resistance	Excellent	Weatherometer
Staining of porous substrates such as white marble	Pass	ASTM C1248
Service Temperature Range (°F)	-60 to +300	

\* VOC content of <50g/L applies to joint sealants manufactured for sale in areas regulated by SCAQMD Rule #1168 only, including LEED v4.1.

**FOR PROFESSIONAL USE ONLY.  
KEEP OUT OF THE REACH  
OF CHILDREN.**

### INSTALLATION

**Surface Preparation:** Clean all joints and flashing areas by removal of foreign matter and contaminants such as oil, dust, grease, frost, water, surface dirt, and any old sealants. Dust, loose particles, etc. should be blown out of joints with oil-free compressed air or vacuum cleaned. Metal and plastic surfaces, i.e. window flanges, should be cleaned by solvent procedure or by mechanical means. Soap or detergent and water cleaning treatments are not recommended. Cleaning of all surfaces should be done on the same day on which the sealant is applied.

**CAUTION:** Solvents may be toxic and/or flammable. Refer to solvent manufacturer's instructions or Safety Data Sheets (SDS).

**Application:** Use only in accordance with ThermalBuck™ and ThermalTight™ instructions available at time of purchase. Additionally:

- Use provided application tool or similar, plastic bladed spatula.
- Do not use metal putty knife or any other metal application tools as this may cause damage to building envelope materials.
- BRINC Fluid FS should be applied in a continuous operation using sufficient pressure to fill the joint and make complete contact to the joint sides.
- In joints, tool the sealant slightly concave using dry-tooling techniques, such as with a cloth.

**Tool Time:** (Initial Skin) 15-25 minutes at 77° F (25° C), 50% RH. Higher temperatures and/or humidity will shorten this time.

**Clean Up:** Excess sealant and smears adjacent to joints may be removed with mineral spirits. For equipment cleanup, also use mineral spirits. Consult the Safety Data Sheet (SDS) for handling and safety precautions.

**Shelf Life:** BRINC Fluid FS has a shelf life of twelve months from date of manufacture when stored at temperatures lower than 80° F (27° C).

**Precautions:** Use with adequate ventilation or wear an appropriate NIOSH-approved respirator. Contact with uncured sealant or with vapors generated during curing may cause respiratory tract irritation. Contact with skin or eyes may cause irritation or allergic reaction. Avoid contact and wash thoroughly after handling. May be harmful if swallowed. Refer to Safety Data Sheet (SDS) for more information.

SCAN



### MAINTENANCE

If the sealant is damaged and the bond is intact, cut out the damaged area and reapply. If the bond has been affected, remove the sealant, clean and prepare the joint in accordance with the instructions under "INSTALLATION".

### WARRANTY

BRINC Fluid FS performance is warranted by BRINC Building Products, Inc. when used as part of the ThermalTight™ System. Visit [www.thermaltight.com](http://www.thermaltight.com) or call 814-275-5002 to obtain limited warranty details.

### FILING SYSTEMS

• CSI MasterFormat Designation  
–07 92 00 Joint Sealants

### VALIDATION

Sealant validation information available upon request. Call 814-275-5002 for details.

### CUSTOMER SUPPORT

BRINC Building Products makes every effort to assist customers in the design, order, preparation, and installation of its products. Support services provided include photo and video installation instructions and jobsite training. For further information and assistance, please call 814-275-5002.

### AVAILABILITY AND COST

Call BRINC Building Products at 814-275-5002 for latest availability information, including distributors or retailers in your region.



**QUESTIONS?  
CALL 814-275-5002**

For most recent updates, please visit our website at [www.brincbp.com](http://www.brincbp.com)

BRINC Fluid FS is proudly made in America.  
1270 Rte 66, New Bethlehem, PA 16242 | 814-275-5002 | [www.brincbp.com](http://www.brincbp.com)

**BRINC** inc. BUILDING  
PRODUCTS