



**FASTENER SYSTEMS INCORPORATED**

## **FSI-96 NON-SKINNING BUTYL TECHNICAL DATA SHEET**

### **1. PRODUCT NAME**

FSI-96 Butyl Rubber Insulated Panel Sealant.

### **2. MANUFACTURER**

Fastener Systems Inc.  
640 Snyder Avenue  
West Chester, PA 19382  
Phone: 610-692-6658  
800-232-5060  
Fax: 610-692-8151

### **3. PRODUCT DESCRIPTION**

FSI-96 is formulated for use in insulated metal panel and metal building construction. FSI-96 has been modified to reduce webbing Characteristics and improve extrusion. FSI-96 contains an anti-microbial which inhibits the growth of mildew and bacteria.

**FSI-96 is typically used for but not limited to:**

- Sealing base track to slab
- Polyethylene vapor barrier sheet overlaps
- Panel top cap and panel joints

#### **Advantages:**

- Provides excellent adhesion to Galvalume®, Galvalume® Plus, ZINCALUME®, KYNAR500®, Siliconized and Polyvinyl fluoride painted metals, stainless steel, aluminum, concrete, gypsum, wood surfaces, foam boards, plastic, and fiberglass.
- FSI-96 exhibits phenomenal tackiness for permanent bonding to all surfaces.
- Non-drying, Non-bleeding, and Non-hardening.
- Gunnable in all working temperatures.
- Has USDA acceptance for use in meat and poultry plants
- Canadian Food Inspection Agency (CFIA) Accepted.
- VOC Compliant
- 10.3 oz. plastic cartridges

### **4. INSTALLATION**

Surfaces receiving FSI-96 must be clean, dry, and free of dust or other foreign matter. The sealant may be applied with a caulking gun or knife to metal, wood, or plastic. Excess smears should be removed as work progresses.

**Precautions:** Combustible. Keep away from heat and open flame.

**Packaging:** FSI-96 is available in 10.3 and 29 fl.oz cartridges, 20 fl oz. sausage packs, and 5 and 55 gallon container pails.

**Colors:** White & Gray

**FOR PROFESSIONAL USE ONLY.**

**KEEP OUT OF THE REACH OF CHILDREN.**

### **5. PRODUCT SPECIFICATIONS**

- Passes ASTM E2140-01 Standard Test Method for Water Penetration of Metal Roof Panels by Static Water Pressure Head.
- Passes ASTM E1680-95 (2003) Rate of Air Leakage Through Exterior Metal Roof Panel Systems.
- Passes ASTM E1646-95 (2003) Standard Test Method for Water Penetration of Exterior Metal Roof Panel Systems by Uniform Static Air Pressure Difference.
- Passes AAMA 800 flexibility cold testing of -100°F
- Passes AAMA 809 Specifications for Non-drying Sealants.
- Passes Federal Specification TT-C-1796A for Caulking Compounds, Metal Seam, and Wood Seam (Typel).

### **6. AVAILABILITY & COST**

FSI-96 is available from Fastener Systems Inc. For more information, please contact us at 610-692-6658 or 800-232-5060.

### **7. FASTENER SYSTEMS INC. WARRANTY**

In connection with the sale hereof, Fastener Systems Inc. makes no warranties of Merchantability or of fitness for a specific purpose. In lieu of all warranties expressed or implied Fastener Systems, Inc. will refund the purchase price of any defective material. In no case will Fastener Systems Inc. be liable for incidental or consequential damages.

**Note:** Keep FSI-96 from sight line as it cannot be painted. FSI-96 is not recommended for use on EPDM rubber or any other material that may be susceptible to degradation from mineral spirits or solvents.

## 8. TECHNICAL DATA

### FSI-96 TEST REQUIREMENTS

Aging	Firm but rubbery. Good tack after 50 days conditioned at 160°F
Accelerated Weathering	Firm but rubbery. Excellent adhesion and no significant change in characteristics after 260 hrs in Weatherometer.
Non-Staining (ASTM D925, Method A)	Sealant will not stain a painted surface
Boeing Flow (ASTM 2202)	Nil
Weight/gal.	12.90-13.00 lbs.
VOC Content (via EPA Method 24)	3.47% (previous FSI TDS had 3.5% by weight)
Weight % Solids (ASTM C681)	93.5-96.5%
Oil Migration (AAMA 809 and Federal Specification TT-C-1796A)	Does not exude oil when applied between two metal panels bolted together allowing 1/16" seal. Assembly conditioned for one week at 158°F
Penetration (ASTM D217)	280-310 1/10mm
Application Temperature	-5°F to 120°F (-20°C to 49°C)
Service Temperature	-100°F to 200°F
Weathering (ASTM G154, 1,000 hours QUV Exposure)	No cracking, bleeding, or loss of rubbery characteristics
Extrudability	26 sec. per 20 grams through 0.125" orifice @50psi
Viscosity (Spindle T-F @ 2.5 rpm)	2.4 to 3 million cps
Low-temperature flexibility (AAMA 800)	No loss of adhesion
Weight Loss (ASTM D2453)	5-8%
Heat Aging	No loss of surface tack or adhesion
Adhesion (ASTM C794)	Excellent
Wet Flammability (ASTM D56)	158°F Flash Point
Resealability	Sealant will reseal and transfer to male joint at 10°F