

## Blome Sealant 2001 Fluoroelastomer Joint Sealant

### PRODUCT DESCRIPTION

Blome SEALANT 2001 Fluoroelastomer Joint Sealant is a two-component, high solids Joint Sealant ideally suited for application on horizontal or vertical surfaces by caulking or troweling. Blome SEALANT 2001 Fluoroelastomer Joint Sealant resists virtually all chemicals including nitric, sulfuric and hydrochloric acids. The product is also resistant to aliphatic, aromatic and halogenated hydrocarbons, hot oil, hot acid, hot water and heat up to 450°F. SEALANT 2001 is impervious to ozone and U.V. light.

### GENERAL USES

Blome SEALANT 2001 Fluoroelastomer Joint Sealant is useful for a wide variety of applications.

- Joint Sealant Expansion Joint Systems
- Acid Containment/Processing Areas
- Lining Containment Areas
- Tank Linings
- Vertical Lift Pumps
- Chemical Processing Floors
- Food/Beverage Floors

### TYPICAL PROPERTIES

#### Base Material

Viscosity - mixed (ASTM D-2196)	25000 cps
Weight Non-Volatile Matter (ASTM D-4713)	65%
Volume Non-Volatile Matter (ASTM D-2697)	45%
Tensile Strength (ASTM D-2370 [Cured])	2900 psi
Elongation (ASTM D-2370 [Cured])	250-300%
Theoretical Coverage (gal/liner foot)	See table below
Thermal Shock (10 cycles; ambient to 350°F)	No failure
Specific Gravity	1.2
Color	Black
Operating Temperature (Cured)	-40°F to +450°F excursions to 500°F
Adhesion (ASTM D-4541)	
Primed Aluminum	500 psi
Steel	800 psi
Concrete	>Tensile strength

#### Hardener

Color	Amber
Odor	Ketone
Specific Gravity	0.82

### PACKAGING & STORAGE

Blome SEALANT 2001 Fluoroelastomer Joint Sealant base material is supplied in one-gallon containers. An Hardener is shipped in containers of a size that will permit mixing of one gallon of the base material (do NOT mix partial units). Store unopened components in a dry place, out of direct sunlight and protected from the elements. KEEP CONTAINERS TIGHTLY SEALED. Storage temperature should be 50-85°F.

## **SPECIFICATION GUIDE**

### **USE BLOME SEALANT 2001 FLUOROELASTOMER JOINT SEALANT AS MANUFACTURED BY BLOME INTERNATIONAL, O' FALLON, MO (636) 379-9119**

#### **ENVIRONMENTAL CONDITIONS**

It is important that the surface to be coated be kept dry and warm. Apply only when air and surface temperatures are between 75°F and 95°F and surface is at least 5°F above dew point. Do not apply if temperature is above 95°F. Avoid applying material in direct sunlight.

#### **JOBSITE STORAGE OF MATERIALS**

Proper storage of Blome International products is important to a successful application. Follow these general storage procedures:

1. Store components (Part A and Part B) unopened, at 50-85°F, out of direct sunlight and protected from the elements.
2. Keep away from heat and flame, as base material is flammable. For 24 to 48 hours just prior to use, adjust the storage temperature to 75°F- 85°F to facilitate handling.

#### **SURFACE PREPARATION**

All surfaces must be clean and dry, void of oil, grease, rust, dirt or other contaminants that may inhibit proper adhesion. For applications over steel, it will be necessary to abrasive blast to a white metal finish with a 3-4-mil anchor profile. When applying Blome SEALANT 2001 Fluoroelastomer Joint Sealant as a topcoat over Blome Sealants or Primers, sealant/primer material must be fully cured. The surface of the cured sealant should be roughened prior to top Joint Sealant with Fluoroelastomer to promote adhesion.

#### **MASKING & PROTECTION**

It is advisable to mask the surfaces adjacent to the area being coated to minimize cleanup.

#### **APPLICATION EQUIPMENT**

Trowel or caulking methods can be used.

#### **WORKING TIME**

Once mixed, the liquid system has a useful life of approximately 4 hours at 75°F. Stir contents frequently and keep container sealed whenever not in use.

#### **MIXING AND APPLICATION**

Slowly add Hardener to the base material and mix thoroughly, scraping both the sides and bottom of the container. Avoid any mixing method which introduces substantial amounts of air into the liquid. Allow 5-10 minutes for tan induction period at temperatures below 65F. It is important to minimize air exposure of the accelerated material; air exposure causes evaporation of the solvent and reduces the processability of the accelerated material. The maximum recommended thickness of Blome SEALANT 2001 Fluoroelastomer Joint Sealant is 0.4" (10 mm) per lift. Apply additional lifts to achieve desired joint depth after solvent evaporation as indicated below. For other applications consult Blome International Technical Service.

#### **CURING (NON-IMMERSION)**

Allow a minimum of 60 minutes for the solvent to evaporate for successive lifts. Allow final coat to cure 72 hours before placing in service.

**POST CURING (IMMERSION)**

After last lift has been applied and allowed to dry 48 hours, post curing can be achieved by adding dry indirect heat. Consult Blome International for additional information.

**COVERAGE**

Coverage is based on DRY joint thickness

<i>Linear Feet Per Gallon: Theoretical</i>				
<i>Inches</i>	$\frac{1}{4}$	$\frac{1}{2}$	$\frac{3}{4}$	1
$\frac{1}{4}$	138	69	46	32
$\frac{1}{2}$	69	46	23	17
$\frac{3}{4}$	46	23	17	12
1	34	17	12	9

**CLEAN-UP**

Hand tools and equipment may be cleaned with xylene or MEK after use. Cured material may be difficult to remove.

**CAUTION**

Blome SEALANT 2001 may cause skin irritation with prolonged or repeated contact. Avoid skin contact and follow the material safety data sheet, which is available for each product.

**WARRANTY**

We warrant that our goods will conform to the description contained in the order and that we have good title to all goods sold. Our material data sheets and other literature are to be considered accurate and reliable, but are used as guides only. WE GIVE NO WARRANTY OR GUARANTEE, WHETHER OF MERCHANT ABILITY OR FITNESS OF PURPOSE OR OTHERWISE, AND WE ASSUME NO LIABILITY IN CONNECTION THEREWITH. We are happy to give suggestions for applications; however, the user assumes all risks and liabilities in connection therewith regardless of any suggestion, we may give. We assume no liability for consequential or incidental damages. Our liability, in law and equity, shall be expressly limited to the replacement of non-conforming goods at our factory, or at our sole option, to repayment of the purchase price of the non-conforming goods.

Printed: May 6, 2020