

Blome Sealant 2003 Fluoroelastomer Joint Sealant

PRODUCT DESCRIPTION

Blome SEALANT 2003 Fluoroelastomer Joint Sealant is a single component, high solids Joint Sealant ideally suited for application on horizontal or vertical joint surfaces by caulking. Blome SEALANT 2003 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 400°F. SEALANT 2003 resists ozone and U.V. light.

GENERAL USES

Blome SEALANT 2003 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

Viscosity (ASTM D-2196)	500000 cps
Weight Non-Volatile Matter (ASTM D-4713)	70%
Volume Non-Volatile Matter (ASTM D-2697)	50%
Tensile Strength (ASTM D-2370 [Cured])	1000 psi
Elongation (ASTM D-2370 [Cured])	200%
11 oz. cartridge yield (1/4" x 1/4" bead)	15.5 feet
11 oz. cartridge yield (1/8" x 1/8" bead)	62 feet
Thermal Shock (10 cycles; ambient to 350°F)	No failure
Specific Gravity	1.34
Color	Black
Operating Temperature (Cured)	-40°F to +400°F

excursions to 500°F

PACKAGING & STORAGE

Blome SEALANT 2003 Fluoroelastomer Joint Sealant base material is supplied in 11 oz./325 ml cartridges. 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. Shelf life of unopened containers is 1 year.

SPECIFICATION GUIDE

USE BLOME SEALANT 2003 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 at 50-85°F, out of direct sunlight and protected from the elements.
2. Keep away from heat and flame, as 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 2003 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

Snip off tip of cartridge and load into caulking gun. Apply a uniform bead. Reseal container immediately after use to preserve unused material.

WORKING TIME

Material is a single component material – seal container immediately after use to preserve unused material.

CURING (NON-IMMERSION)

Material is tack-free in 5 minutes. Allow a minimum cure of 72 hours before placing in service.

POST CURING (IMMERSION)

Post cure material at 300 °F (150 °C) for one hour to achieve maximum resistance. Ensure solvent has completely evaporated. Consult Blome International for additional information.

CLEAN-UP

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

CAUTION

Blome SEALANT 2003 may cause irritation. Avoid contact and read the safety data sheet before use.

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.

Revised – May 6, 2020