



**Blome Sealant 78**  
**Hydrophobic Polyurethane Injection Grout**

**PRODUCT DESCRIPTION**

Blome Sealant 78 is a two-component, hydrophobic polyurethane liquid injection grout that is designed for use as a water stop. Blome Sealant 78 reacts with water, and then repels it, forming a closed cell foam that stops water at the point of contact.

Blome Sealant 78 exhibits an extremely high bond to concrete, brick or steel substrates, wet or dry. Blome Sealant 78 resists oxidizing bleaches, most acids, alkalis, salts and other corrosive chemicals. Blome Sealant 78 is recommended for applications where some movement is anticipated. The cured foam remains flexible over a temperature range of -20°F to 180°F, and will withstand excursions to 200°F.

**GENERAL USES**

Blome Sealant 78 is typically used to stop water leaks in cracked concrete, leaking expansion joints and other structures. These applications include:

Sewers	Manholes	Tile Tanks & Chests
Sumps	Trenches	Concrete Tanks & Hoppers
Dams	Levees	Pilings
Sea Walls	Dykes	Tunnels

**HANDLING CHARACTERISTICS**

Blome Sealant 78 is specifically formulated to have a low viscosity, making it ideal for injection pumping applications. Blome Sealant 78 is easy to use and packaged in pre-measured two-part units.

**TYPICAL PROPERTIES**

Solids by Volume:	100%
Color:	Amber
Water Absorption-volume confined	<1%
(ASTM D-2127):	
Density (core) ASTM D-1622	Free rise 2.02 lbs/ft <sup>3</sup>
	Confined 4.04 lbs/ft <sup>3</sup>
Low Temperature Aging ASTM D-2126	
Aging (-20°F shrinkage)	
	1 day <0.0%
	7 days <0.0%
Shear strength (psi) ASTM C-273	317.10 psi
Tensile Strength (psi) ASTM D-1623	29.30 psi
Elongation ASTM D-1623:	44%
Viscosity:	@500 cps

## **PACKAGING & STORAGE**

Blome Sealant 78 is packaged in pre-measured two-part units with a 1-pint can of accelerator and a 5-gallon pail of resin. Store unopened components in a dry place, out of direct sunlight and protected from the elements. Storage temperature should be 50-85°F. Properly stored, Blome 78 will have a minimum shelf life of 12 months. Refer to date of manufacture printed on the label.

## **SPECIFICATION GUIDE**

Use Blome Sealant 78 Hydrophobic Polyurethane Injection Grout as manufactured by Blome International, O'Fallon, MO 800-886-3455. Install in accordance with the latest data sheet for Blome Sealant 78 as well as good industry practice.

## **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 50-90°F, out of direct sunlight and protected from the elements.
2. Keep away from heat and flame. For the 24 to 48 hours just prior to use, adjust the storage temperature to 70-85°F to facilitate handling.

## **APPLICATION EQUIPMENT**

Blome Sealant 78 is normally installed with equipment suitable for viscous, two-component materials.

## **MIXING & APPLICATION**

Blome Sealant 78 is supplied as a two-component liquid product. Mix and apply as follows:

1. Leaking cracks are sealed with an appropriate patching compound, epoxy, cementitious or otherwise.
2. Using the patching compound, affix injection nipples or pipe nipples to the crack at a point where the material may be injected.
3. Attach injection pump hose to the nipple and have pump apparatus ready to inject grout.
4. Add the accelerator to the resin [one (1) pint per five (5) gallon pail] and mix thoroughly for 1-2 minutes. Allow mixed material to sit for an additional 1-2 minutes.
5. Pour mixed grout liquid into the injection pump and pump against water flow into crack through injection nipple.
6. Clean tools and equipment with Blome Injection Solvent

## **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 78 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.

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