

Blome Sealant 56 SL Self-Leveling Polysulfide Joint Sealant

PRODUCT DESCRIPTION

Sealant 56 SL is a two-component, 100% solids polysulfide elastomer with very good chemical resistance and elongation properties. It is particularly resistant to mild acids, alkalis and most common non-polar solvents including aromatic and aliphatic fuels and oils. Sealant 56 SL has excellent resistance to the effects of outdoor exposure. It has excellent adhesion to a variety of substrates including concrete, tile and brick.

GENERAL USES

Sealant 56 SL is generally used as an expansion joint sealant where good chemical resistance is also required such as for acid brick flooring, secondary containment and monolithic floor toppings. It may also be used in conjunction with Viton-based coatings for very severe chemical exposures. Typical expansion joint applications include:

- Dairy and meat processing plant brick floors
- Chemical processing floors
- Chemical unloading areas
- Beverage plants

HANDLING CHARACTERISTICS

Sealant 56 SL is available in a pour grade for relatively horizontal surfaces. A caulk grade (Sealant 56 NS) is available for vertical surfaces. It may be poured in place or pumped with a caulk gun.

TYPICAL PROPERTIES

TYPICAL PROPERTIES-WET

Solids by Volume:	100%
Pot Life at 75°F:	30 minutes
Initial Set at 75°F:	6 hours
Final Cure at 75°F:	7 days

TYPICAL PROPERTIES-CURED

Color:	Gray
Elongation *ASTM D412):	500-550%
Hardness, Shore A:	20-25
Tensile Strength (ASTM D412):	200-225 psi
Joint Movement Tolerance:	±25%
VOC:	0 g/L (VOC Category: All other joint sealants)

PACKAGING & STORAGE

Sealant 56 SL is supplied as a two-component material, packaged in pre-measured units as a 1.5-gallon kit. Store unopened components in a dry place, out of direct sunlight and protected from the elements. Storage temperature should be 65-88°F. Properly stored, Sealant 56 SL will have a minimum shelf life of 18 months. Refer to date of manufacture printed on the label.

SPECIFICATION GUIDE

Fill all expansion joints with a two-component polysulfide sealant meeting the generic formulation and performance characteristics of Blome Sealant 56 SL as manufactured by Blome International, O'Fallon, MO (800) 886-3455. Install in accordance with the latest Blome Sealant 56 SL data sheet and good industry practice.

APPLICATION GUIDELINES

ENVIRONMENTAL CONDITIONS

It is important that the floor surface and joint be kept dry and reasonably warm. Apply only when air and surface temperatures are between 40 and 95°F and surface is at least 5°F above dew point. Do not use Sealant 56 SL at temperatures below 40°F. If joint surfaces are damp, not wet, or could become damp, use Blome 75 Moisture Tolerant Primer and install Sealant 56 SL while primer is tacky but firm.

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 65-80°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.

JOINT DESIGN

For maximum sealant performance, the following design principles should be followed. A closed cell backer rod should be inserted into the joint, after surface preparation, at a depth equal to $\frac{1}{2}$ of the joint width. Compress backer rod 25% before filling joints. Where backer rod is not feasible, bond breaker tape is acceptable. The minimum joint width and depth of sealant should be no less than $\frac{1}{4}$ ".

SURFACE PREPARATION

All surfaces must be clean and dry, void of oil, grease, rust, dirt or other contaminants that may inhibit proper adhesion. For porous surfaces such as concrete, wire brushing is recommended and for non-porous surfaces such as steel, solvent wiping may be adequate. Prime joints with Primer 75. Install Sealant 56 SL when primer is tack free (4-6 hours @ 77°F). Sealant must be applied the same day as the primer, or surfaces will need to be re-primed.

MASKING & PROTECTION

Since installation of Sealant 56 SL should follow completion of the floor surface, it may be advisable to mask the surfaces adjacent to the joint to minimize cleanup of the finished floor surface. Avoid foot traffic for 6 hours and vehicle traffic for 48 hours minimum.

APPLICATION EQUIPMENT

Sealant 56 SL is normally installed with simple equipment. For best results, pour into joints using a pour-can with a spout that has been shaped to fit the joint. This fills the joint from the bottom up and produces a better

joint with fewer air bubbles trapped within the sealant. It may also be pumped with equipment suitable for viscous, two-component materials.

MIXING TECHNIQUE

We recommend using Jiffy type mixers for all mixing and stirring. While operating the mixer, avoid plunging it up and down in the bucket. This can fold air into the resin, which may result in bubbles and voids in the cured sealant. Be especially careful not to allow water to enter the mix.

WORKING TIME

The working time for Sealant 56 SL is approximately 60 minutes at 75°F. Ensure that the joints are ready for installation of the sealant before mixing.

MIXING & APPLICATION

1. Pre-mix the contents of Part A. Add the contents of Part B (to Part A, and then mix. Mix thoroughly for 3-4 minutes at 250-300 rpm, scraping sides and bottom of mixing container, until uniform in color. Avoid high speed mixing as this can incorporate air into the mix. (Mix full units of material. Do NOT split units.)
2. Pour or pump Sealant 56 SL into the joint taking care to fill the joint without trapping air or forming air pockets.
3. Sealant 56 SL pour grade is self-leveling and need not be tooled. If tape is used, pull all tape before the sealant cures.

TOUCH-UP & RECOATING

Short filled joint sealant or air pockets are best repaired by full removal of the sealant in the affected area and re-installation of the sealant.

CLEAN-UP

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

CAUTION

Sealant 56 SL may cause skin irritation with prolonged or repeated contact. Avoid skin contact and follow the 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.

Estimated Coverage Chart

Joint Dimensions	Coverage (linear feet per mixed gallon)
1/2"W x 1/4"D	154
1/2"W x 3/8" D	102
3/4"W x 3/8"D	68
3/4"W x 1/2"D	51
1"W x 1/2"D	38
1"W x 3/4"D	25

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