Surrounding You with Exceptional Protection

BLOME CHEM-JOINT PSEN NS

Non-Sag Epoxy Novolac-Polysulfide Joint Sealant

PRODUCT DESCRIPTION

Blome Chem-Joint PSEN NS is a non-sag elastomeric polysulfide based epoxy novolac system, which is designed to be used as a flexible repair and caulking compound. It is used primarily to fill expansion joints and cover joints. It can be overcoated with other Blome linings or maintenance products to enhance physical or chemical properties, if required. It is particularly resistant to acids, alkalis, salts, alcohols, and most common non-polar solvents including aromatic and aliphatic fuels and oils. Chem-Joint PSEN has excellent adhesion to a variety of substrates including concrete and brick. Suitable for use on floor and wall surfaces in USDA, FDA and CFIA-monitored facilities.

GENERAL USES

Blome Chem-Joint PSEN is generally used as an expansion joint sealant where good chemical resistance is also required such as for acid brick, vitrified tile, walls, secondary containment and monolithic surfaces. Typical expansion joint applications include:

- Dairy and meat processing plants
- Chemical processing/unloading areas
- Beverage plants

HANDLING CHARACTERISTICS

Blome Chem-Joint PSEN NS is a paste-like material and may be applied with conventional caulking equipment or by trowel.

TYPICAL PROPERTIES

TYPICAL PROPERTIES-WET

Solids by Volume:	100%
Mix Ratio, by Weight:	1.2 parts Resin to 1 part Hardener
Mix Ratio, by Volume:	1 part Resin to 1 part Hardener
Pot Life at 75°F:	30 minutes
Initial Set at 75°F:	10 hours (light traffic – 36 hours)
Final Cure at 75°F:	5 days

TYPICAL PROPERTIES-CURED

Color:	Gray, Red, Black, Unpigmented
Mixed Density:	1.12 g/mL (9.34 LB/GAL)
Elongation *ASTM D412):	135-180%
Hardness, Shore A:	55-60
Tensile Strength (ASTM D412):	2200 psi
Tensile Adhesion:	2000 psi
Maximum Operating Temperature:	250 °F
VOC:	0 g/L (VOC Category: All other joint sealants)

PACKAGING & STORAGE

Blome Chem-Joint PSEN is available in 2-gal pre-measured units. Store unopened components in a dry place, out of direct sunlight and protected from the elements. Storage temperature should be 65-85°F. Properly stored, Blome Chem-Joint PSEN will have a minimum shelf life of 12 months. Refer to date of manufacture printed on the label.

APPLICATION GUIDELINES

ENVIRONMENTAL CONDITIONS

It is important that surfaces and joints be kept dry and reasonably warm. Apply only when air and surface temperatures are between 50 and 95°F and surface is at least 5°F above dew point. Do not use Blome Chem-Joint PS EN at temperatures below 50°F.

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 65-85°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

Blome Chem-Joint PSEN can be applied with a thickness as small as a 1/16" radius bead to a maximum of 2 inches. Theoretical coverage, for one gallon is 100 linear feet based on a ½" diameter bead. Different thickness of the applied bead will change the linear foot coverage (see estimating table below).

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 porous surfaces with Primer 75. Install Blome Chem-Joint PSEN when primer is tack free (4-6 hours @ 77°F).

MASKING & PROTECTION

Since installation of Blome Chem-Joint PSEN should follow completion of the vertical surface, it may be advisable to mask the surfaces adjacent to the joint to minimize cleanup of the finished surface. Avoid foot traffic for 12 hours and light vehicle traffic for 36 hours minimum.

APPLICATION EQUIPMENT

Blome Chem-Joint PSEN may be applied using either a caulking gun or by hand, using a small trowel or putty knife. Press material thoroughly into the substrate and build up to meet the desired thickness. Smooth over to create the desired surface.

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 Blome Chem-Joint PSEN is approximately 30 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 each part. Mix ALL of Part A with ALL of Part B in the Part B bucket. Mix thoroughly for 3-5 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. Caulk Blome Chem-Joint PS EN into the joint taking care to fill the joint without trapping air or forming air pockets.
3. Blome Chem-Joint PS EN sealant should be immediately tooled after application with a suitable sealant spatula with a rounded tip to provide a concave finish thereby creating the desired hourglass configuration. Spatulas should be slightly wider than the width of the expansion joint.

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

Blome Chem-Joint PSEN 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)
½”W x ¼”D	154
½”W x ⅜” D	102
¾”W x ⅜”D	68
¾”W x ½”D	51
1”W x ½”D	38
1”W x ¾”D	25

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