

BOSS[®] 816 Intumescent Firestop Sealant

TYPICAL PROPERTIES

Color.....	Red
pH.....	7 to 8
Volatile Organic Content.....	5 g/l
Skin Forming Time	30 minutes @ 77°F
Density.....	10.75 lbs./gal.
Elastomeric.....	Yes
Curing Time @77°F.....	21 to 28 days
Freeze/Thaw	Excellent
STC Rating	53
Tested To	ASTM E-90
Service Temperature.....	-20°F to 185°F
Application Temperature	40°F to 110°F

*Information on this data sheet is subject to change without notice and should not be used for writing specifications. For additional information on specific applications, contact Soudal.



DESCRIPTION

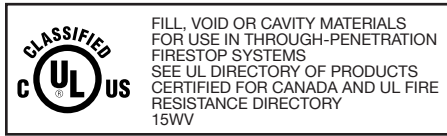
BOSS[®] 816 UL Classified Intumescent Firestop Sealant is a fire rated, general purpose sealant for use on through-penetrations and construction joints. It is a single component, non-sag, water based sealant and smoke seal that is easy to apply and clean up. **BOSS[®] 816** will prevent the spread of toxic gases, water, smoke and fire through joint openings and through penetrations. **BOSS[®] 816** is suitable for adhesion to almost any surface and remains flexible, making it ideal for both horizontal and vertical joints, subject to vibration or dynamic movement. It bonds quickly, has excellent adhesion and is non-toxic. **BOSS[®] 816** is protected against mold growth with a combination of biocides in both wet and dry stages. It has been tested to the following specifications: UL 1479 (ASTM E-814), UL 2079 (ASTM E-1966), ASTM E-84 (0-flame, 0-smoke), ASTM E-90 (STC 53).

FEATURES

- Bonds quickly with excellent adhesion
- Mildew Resistant
- Remains flexible
- VOC compliant
- Excellent freeze/thaw properties
- Safe to use and handle
- Water based and paintable
- 12 month shelf life

SPECIFICATIONS

Tested to UL 1479 (ASTM E-814), standard test method for fire tests of through penetration firestops. Conforms to IBC, IRC, BOCA National Building Code (1996), CABO one and two family dwelling code (1995), Uniform Building Code (1997). See UL Fire Resistance Directory for a list of systems that have been established for **BOSS® 816**.



HOW TO USE

- Cut nozzle to desired bead size. Insert cartridge into standard caulking gun.
- For a smooth seal, hold at 45° angle and apply by pushing sealant ahead of nozzle.
- Apply at 40°F (4°C) or above.
- To ensure good adhesion, all surfaces should be clean and free of dust, oil, loose materials or any other substances.
- Make sure that **BOSS® 816** makes complete contact with the entire surface of the opening and also the surface of the penetrating items. Follow application instructions on applicable system/design.
- Clean tools with water immediately after use.

Always follow cartridge directions. Clean the area to be treated so that it is free of all particles and debris. For large openings, mineral wool fibers can be used as a backer to help hold the product in place until cured. Steel screen wire can be stapled in place over the material when a large opening is overhead or configured such that the material will not support its own weight during cure.

TEMPERATURE RANGE

BOSS® 816 will freeze in the cartridge at temperatures below 32°F (0°C). Therefore, store at between 35°F (2°C) and a maximum of 120°F (49°C). If freezing does occur, thaw completely before use. Once cured, **BOSS® 816** will withstand freeze/thaw cycles.

CLEAN UP

Uncured sealant can be easily removed using water or BOSS® Biggie Wipes. If the sealant is cured it must be removed mechanically by cutting and scraping.

COLOR

BOSS® 816 Intumescent Firestop Sealant is red in color for ease of inspection.

PACKAGING

BOSS® 816 Intumescent Latex Firestop Sealant is available in standard caulking cartridges, 28 Fl. Oz. cartridges, 20 Oz. sausages and 5 gallon pails.

Nonreactive VOC 6 g/l (<1.50% wt)

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 120°F, **BOSS® 816** has a shelf life of 12 months from date of shipment. In countries where high heat and humidity are a factor, special precautions must be taken. Store product in a covered, well-ventilated warehouse and avoid excessive heat conditions. Storage in high heat, high humidity conditions may reduce shelf life by up to 30%. Rotation of stock is an absolute necessity. Cartons should always be stacked upright with the nozzle tip pointed upwards. DO NOT stack cartons on their side. **NEVER** stack cartons more than 8 high. DO NOT store within 1 meter (4 feet) of roofline of the warehouse or storage building.

CAUTION

DIRECT CONTACT OF UNCURED SEALANT IRRITATES EYES AND MAY IRRITATE SKIN. OVEREXPOSURE TO VAPOR MAY IRRITATE EYES, NOSE AND THROAT. Avoid eye and skin contact. Use only outdoors or in a well ventilated area. Do not handle contact lenses with sealant on hands. IN CASE OF EYE CONTACT, flush eyes with water for 15 minutes. Obtain medical attention. IN CASE OF SKIN CONTACT, remove from skin and

flush with water. Do not use solvents to remove from skin. IN CASE OF INGESTION, call physician immediately. Clean spills immediately with scrapers and water. Keep container upright and tightly closed, do not reuse. KEEP OUT OF REACH OF CHILDREN. For safe handling information on this product, consult the Safety Data Sheet (SDS).

USERS PLEASE READ

The information and data contained herein is believed to be accurate and reliable; however, it is the user's responsibility to determine suitability of use. Since the supplier cannot know all the uses, or the conditions of use to which these products may be exposed, no warranties concerning the fitness or suitability for a particular use or purpose are made.

It is the user's responsibility to thoroughly test any proposed use of our products and independently conclude satisfactory performance in the application.

Likewise, if the application, product specifications or manner in which our products are used requires government approval or clearance, it is the sole responsibility of the user to obtain sure authorization.

Non-warranty: Because the storage, handling and application of the material is beyond Soudal's control, we can accept no liability for the results obtained. Soudal's sole limited warranty is the product meets the manufacturing specifications in effect at time of shipment. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. Soudal will not be liable for incidental or consequential damages of any kind. The exclusive remedy for breach of such limited warranty is a refund of purchase price or replacement of any product shown to be other than as warranted. Suggestions of uses should not be taken as inducements to infringe any patents.

MADE IN U.S.A.

BOSS® PRODUCTS

Soudal Accumetric
350 Ring Road / Elizabethtown, KY 42701 USA
800-928-BOSS(2677)
TEL (270)769-3385 / FAX (270)765-2412
Outside U.S.
TEL +1(270)769-3385 / FAX +1(270)765-2412
www.bossproducts.com