

## BOSS<sup>®</sup> 812 Genius Gun<sup>®</sup> Fire Block Foam

### TYPICAL PROPERTIES

ASTM D-1622	
Density.....	1.25 lbs./ft <sup>3</sup>
Theoretical Yield .....	6.1 gallons freely foamed
ASTM C-518	
Thermal Conductivity .....	0.22 - 0.26 Btu-in/hr-F-ft <sup>2</sup>
ASTM C-518	
R Value .....	3.8 - 4.5 hr-F-ft <sup>2</sup> /Btu
Tack Free (1" bead).....	10 minutes (73°F & 50% RH)
Can Be Cut (1" bead) .....	90 minutes (73°F & 50% RH)
Fully Cured (1" bead).....	24 hours (73°F & 50% RH)
ASTM E-84-04 UL 723	
Fire Testing .....	Flame Spread-15, Smoke Developed-35
DIN 53429	
Water Absorption .....	1 %
IN HOUSE TESTING	
Temperature Resistance.....	40°F up to 194°F (long term)
.....	40°F up to 266°F (short term)
Service Temperature.....	-40°F to 200°F
Application Temperature .....	40°F to 115°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<sup>®</sup> 812 Genius Gun<sup>®</sup> Fire Block Foam** prevents the spread of smoke and toxic gasses from one compartment to another, thereby slowing down the spread of fire, due to lack of air to fuel the flames. **BOSS<sup>®</sup> 812** has excellent insulation and acoustic properties and is also paintable (after inspection). **BOSS<sup>®</sup> 812** has been tested to ASTM E-84 and UL 723.



Manufactured under Patent No. 10106309



### FEATURES

- Will adhere to almost any substrate
- Can be used to seal around copper, PVC pipes and conduits. In addition to large spaces left after the installation of waste water pipes, ducting etc.
- Prevents the spread of smoke and toxic gasses
- Installed in seconds, reducing labor costs by up to 90%
- Ideal for single and two family homes
- Paintable (after inspection)
- Can be used on vertical or horizontal applications
- Excellent acoustic and thermal insulation
- Unaffected by moisture or humidity after curing
- CFC Free
- Very cost effective
- Reduces energy costs
- Prevents intrusion of insects and pests

## SPECIFICATIONS

Meets ASTM E84 and UL 723 regarding caulk and sealants surface burning characteristics applied to inorganic cement board.

Flame Spread.....15

Smoke Developed.....35

Meets NFPA 255 Class A Flame Spread  
Smoke Developed.

## HOW TO USE

Surfaces must be clean and free of grease, oil and dust. For best results spray mist into cavity prior to applying foam. Screw the can firmly onto the gun. Do not overtighten. Fill cavities roughly 65% as foam will slightly expand. Do not overfill. During application hold gun so that the can is **UPSIDE DOWN**. For best results, use in temperatures between 41°F to 86°F.

## CLEAN UP

Uncured sealant can be easily removed using BOSS® 335 or a solvent such as alcohol or acetone. For an environmental and health friendlier choice use BOSS® Biggie Wipes. If the sealant is cured it must be removed mechanically by cutting and scraping.

## COLOR

**BOSS® 812** Genius Gun® Fire Block Foam is pink in color.

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 812** 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.

## PACKAGING

**BOSS® 812** Genius Gun® Fire Block Foam is available in 12 oz., 20 oz. and 24 oz. cans.

## SHIPPING LIMITATIONS

Ground shipments only. Cannot ship by air.

Reactive VOC 211 g/l (22% wt.)

## DANGER!

**EXTREMELY FLAMMABLE. CONTENTS UNDER PRESSURE.** Turn off all pilot lights, electrical igniters, burners and other sources of ignition or heat during use. Do not smoke, use matches or lighters while dispensing foam. Do not expose to direct sunlight, high heat or store in enclosed vehicle. Avoid breathing vapor/spray. Use only outdoors or in a well ventilated area with appropriate breathing apparatus. Avoid contact with skin and eyes. Wearing eyewear and gloves is recommended. Do not incinerate or puncture can. Store at temperatures below 120°F.

**EYE IRRITANT. May irritate or cause allergic reaction to skin. Inhalation of vapor may result in respiratory allergies including asthma.** Persons with known isocyanate allergies should avoid any skin or respiratory contact with product ingredients. Use with adequate ventilation or suitable respiratory protective equipment. Wear protective clothing to avoid skin contact. Wear eye protection.

**FIRST AID: Inhalation** - move immediately to fresh air. **Eye contact** - flush eyes immediately for 15 minutes. **Skin contact** - wash affected area immediately with plenty of soap and water. Get medical assistance in all cases (show label when possible). For further health and safety information consult the current Material Safety Data Sheet available from **BOSS® Products** at 800-928-2677.

**KEEP OUT OF REACH OF CHILDREN.**

**CONTAINS:** Diphenylmethanedisocyanate, Polyol and Butane/Propane.

## 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**

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[www.bossproducts.com](http://www.bossproducts.com)

# BOSS<sup>®</sup> 812 Fire Block Foam

### TYPICAL PROPERTIES

ASTM D-1622

Density ..... 1.25 lbs./ft<sup>3</sup>

Theoretical Yield ..... 20.8 liters freely foamed

ASTM C-518

Thermal Conductivity ..... 0.22 - 0.26 Btu-in/hr-F-ft<sup>2</sup>

ASTM C-518

R Value ..... 3.8 - 4.5 hr-F-ft<sup>2</sup>/Btu

Tack Free (1" bead) ..... 10 minutes (73°F & 50% RH)

Can Be Cut (1" bead) ..... 90 minutes (73°F & 50% RH)

Fully Cured (1" bead) ..... 24 hours (73°F & 50% RH)

ASTM E-84-04 UL 723

Fire Testing ..... Flame Spread-10, Smoke Developed-30

DIN 53429

Water Absorption ..... 1%

### IN HOUSE TESTING

Temperature Resistance ..... 40°F up to 194°F (long term)

..... 40°F up to 266°F (short term)

Service Temperature ..... -40°F to 200°F

Application Temperature ..... 40°F to 115°F

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and should not be used for writing specifications.  
For additional information on specific applications, contact Soudal Accumetric



### FEATURES

- Will adhere to almost any substrate
- Can be used to seal around copper, PVC pipes and conduits. In addition to large spaces left after the installation of waste water pipes, ducting etc.
- Prevents the spread of smoke and toxic gasses
- Installed in seconds, reducing labor costs by up to 90%
- Ideal for single and two family homes
- Paintable (after inspection)
- Can be used on vertical or horizontal applications
- Excellent acoustic and thermal insulation
- Unaffected by moisture or humidity after curing
- CFC Free
- Very cost effective
- Reduces energy costs
- Prevents intrusion of insects and pests

### DESCRIPTION

**BOSS<sup>®</sup> 812** Fire Block Foam prevents the spread of smoke and toxic gasses from one compartment to another, thereby slowing down the spread of fire, due to lack of air to fuel the flames. **BOSS<sup>®</sup> 812** has excellent insulation and acoustic properties and is also paintable (after inspection). **BOSS<sup>®</sup> 812** has been tested to ASTM E-84 and UL 723.

## HOW TO USE

- Shake can before and during use.
- Ensure surfaces are clean and free of dust, loose particles and grease.
- As **BOSS® 812** cures by moisture absorption, ensure that the surfaces are moistened with water prior to application. This can be best achieved using a hand sprayer with clean fresh water.
- Foam can be dispensed at any angle, however upside down dispensing is most efficient means of delivery.
- The foam should be applied into gaps and openings from the bottom first, working up as each layer is allowed to part cure (for large openings). For small openings spray around the opening, as the foam will expand very quickly and fill the space.
- If the atmosphere is very dry, a light water spray will speed up the curing process.
- Dries tack-free within 5 minutes and cures within 1 hour (depending on thickness and depth of the foam).
- Cured foam can be cut and sanded after curing.

## CLEAN UP

Uncured sealant can be easily removed using **BOSS® 335** or a solvent such as alcohol or acetone. For an environmental and health friendlier choice use **BOSS® Biggie Wipes**. If the sealant is cured it must be removed mechanically by cutting and scraping.

## COLOR

**BOSS® 812** Fire Block Foam is salmon red/pink in color.

## SPECIFICATIONS

Meets ASTM E84 and UL 723 regarding caulk and sealants surface burning characteristics applied to inorganic cement board.

Flame Spread. . . . . 10  
Smoke Developed. . . . 30

Meets NFPA 255 Class A Flame Spread  
Smoke Developed.

## DANGER!

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**EYE IRRITANT. May irritate or cause allergic reaction to skin. Inhalation of vapor may result in respiratory allergies including asthma.** Persons with known isocyanate allergies should avoid any skin or respiratory contact with product ingredients. Use with adequate ventilation or suitable respiratory protective equipment. Wear protective clothing to avoid skin contact. Wear eye protection.

**FIRST AID: Inhalation** - move immediately to fresh air. **Eye contact** - flush eyes immediately for 15 minutes. **Skin contact** - wash affected area immediately with plenty of soap and water. Get medical assistance in all cases (show label when possible). For further health and safety information consult the current Material Safety Data Sheet available from **BOSS® Products** at 800-928-2677.

**KEEP OUT OF REACH OF CHILDREN.**

**CONTAINS:** Diphenylmethanedisocyanate, Polyol and Butane/Propane.

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 812** 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.

## PACKAGING

**BOSS® 812** Fire Block Foam is available in 12 oz., 20 oz. and 24 oz. cans.

## SHIPPING LIMITATIONS

Ground shipments only. Cannot ship by air.  
Reactive VOC 165 g/l (<17% wt.)

## USERS PLEASE READ

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## BOSS<sup>®</sup> 812 Fire Block Foam - Gun Grade

### TYPICAL PROPERTIES

ASTM D-1622	
Density.....	1.25 lbs./ft <sup>3</sup>
Theoretical Yield .....11 gallons freely foamed	
ASTM C-518	
Thermal Conductivity .....	0.22 - 0.26 Btu-in/hr-F-ft <sup>2</sup>
ASTM C-518	
R Value .....	3.8 - 4.5 hr-F-ft <sup>2</sup> /Btu
Tack Free (1" bead).....	10 minutes (73°F & 50% RH)
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Fully Cured (1" bead).....	24 hours (73°F & 50% RH)
ASTM E-84-04 UL 723	
Fire Testing .....	Flame Spread-15, Smoke Developed-35
DIN 53429	
Water Absorption .....	1%
IN HOUSE TESTING	
Temperature Resistance.....	40°F up to 194°F (long term)
.....	40°F up to 266°F (short term)
Service Temperature.....	-40°F to 200°F
Application Temperature .....	40°F to 115°F

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## CLEAN UP

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## COLOR

**BOSS® 812** Fire Block Foam is orange in color.

## STORAGE AND SHELF LIFE

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## PACKAGING

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## SHIPPING LIMITATIONS

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Reactive VOC 211 g/l (22% wt.)

## DANGER!

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