

## BOSS<sup>®</sup> 139 Hi-Temp Mortar

### TYPICAL PROPERTIES

Color.....	Black
Specific Gravity .....	1.85
Consistency.....	Thick gunable paste
Working Time.....	15 minutes
Flexibility.....	None
Curing Time .....	Full cure in 24 hours when properly fired
Tested To .....	ASTM E-136
Service Temperature.....	0°F to 800°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 Accumetric.



### DESCRIPTION

**BOSS<sup>®</sup> 139 Hi-Temp Mortar** is a non combustible silicate cement that can withstand extremely high temperatures. Formulated for repairing chimneys, fireplaces and sealing wood-burning stoves and appliances, this product has strong adhesion and sets to become rock hard when fired. **BOSS<sup>®</sup> 139 Hi-Temp Mortar** cannot be used in areas where there is constant movement, or where wet conditions exist or may occur. **BOSS<sup>®</sup> 139 Hi-Temp Mortar** has been tested and exceeds ASTM E-136. Can be used in wood frame construction where an ASTM E-136 non combustible sealant is specified and where allowed by the building code. This includes sealing around pipes, ducts, vents and chimneys at ceiling and floor level before drywall is applied.

### FEATURES

- Can withstand extremely high heat
- Apply using a standard caulking gun
- Dries rock hard when cured and fired
- Safe to use and handle
- No harmful odors
- Water clean-up (prior to curing)
- VOC compliant
- Contains **NO** asbestos fillers of any kind
- Meets residential construction code approvals including I.R.C.

## SPECIFICATIONS

Meets **ASTM E-136**. Conforms to IBC/IRC, BOCA National Building Code (1996), CABO one and two family dwelling code (1995), Uniform Building Code (1997), Section 796, Fire Block and Draft Stop. BOCA-SBCCI-ICBO-NFPA Building Codes. Consult your local code official for the proper use of product.

## HOW TO USE

All surfaces should be clean and dry and free of loose dirt or grease. For best results, dampen application area first with water.

- Cut nozzle to desired bead size. Insert cartridge into standard caulking gun.
- Gun along or around penetrations and voids.
- Press mortar into voids with wet putty knife.
- Clean excess material immediately with a damp cloth. This material is almost impossible to remove after it has cured.
- Start a low burning fire for approximately 1 hour to allow product to dry.
- Increase heat gradually and allow mortar to cure for 1 to 2 hours, or until rock hard.
- Allow to cure for 24 hours between layers.

## TEMPERATURE RANGE

**BOSS® 139** freezes in the cartridge at temperatures below 32°F. The product can be warmed and applied at any temperature but will not cure below 40°F. Freeze thaw cycles do not alter the cured product. Cure time may exceed 72 hours at non-freezing temperature.

## CONTAINS

Sodium Silicate CAS# 1344-09-8.

## COLOR

**BOSS® 139** Hi-Temp Mortar is black in color for ease of inspection.

## PACKAGING

**BOSS® 139** Hi-Temp Mortar is available in standard caulking cartridges.

## SHIPPING LIMITATIONS

None.

Nonreactive VOC 0.0 g/l (<1.5% wt)

## STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 139** 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. **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 Accumetric's control, we can accept no liability for the results obtained. Soudal Accumetric'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 Accumetric 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

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