



TECHNICAL DATA SHEET

BOSS® 139 Fire Mortar

TECHNICAL & PERFORMANCE DATA

Color	Black
Specific Gravity	1.85
Consistency	Thick gunable paste
Working Time	15 minutes
Flexibility	None
Service Temperature	0°F to 1400°F
Application Temperature	0°F to 120°F
Curing Time	Full cure in 24 hours when properly fired
Tested To	ASTM E-136

*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 Accumetric, LLC



DESCRIPTION

BOSS® 139 Fire 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 139 Fire Mortar** cannot be used in areas where there is constant movement, or where wet conditions exist or may occur. **BOSS 139 Fire Mortar** has been tested and exceeds ASTM E-136 and can withstand temperatures of up to 1400°F. 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

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.

CAUTION

- Keep from freezing
- Do not take internally
- Keep out of reach of children

CONTAINS

Sodium Silicate CAS# 1344-09-8.

SPECIFICATIONS

Tested to **ASTM E-136**, standard test method for behavior of materials in a vertical tube furnace at 1400°F. Conforms to 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.

COLOR

BOSS® 139 Fire Mortar is black in color for ease of inspection.

PACKAGING

BOSS® 139 Fire Mortar is available in standard caulking cartridges.

STORAGE AND SHELF LIFE

When stored in the original unopened containers at or below 90°F (32°C), **BOSS® 139** Fire Mortar 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.

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.

The supplier warrants only that its products will meet its specifications. There is no warranty of merchantability or fitness for use, nor any other express or implied warranty. The user's exclusive remedy and the supplier's sole liability is limited to refund of the purchase price or replacement of any product shown to be otherwise than as warranted. The supplier will not be liable for incidental or consequential damages of any kind.

Suggestions of uses should not be taken as inducements to infringe any patents.

MADE IN U.S.A.

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