



# Technical Bulletin

2400 Boston Street, Suite 200, Baltimore, Maryland 21224  
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## DAP® High Heat Mortar Fire Resistant Mortar

- ASTM E136 rated
- Withstands temperatures up to 2000° F
- For patching fireplaces and sealing wood-burning stoves
- For applications in wood frame construction where an ASTM E136 non-combustible sealant is required
- Interior use only

**Packaging:** 10 fl. oz. (296 mL) cartridge  
**Color:** Black  
**UPC Number:** 7079818854

### Company Identification:

Manufactured For: DAP Products Inc., 2400 Boston St., Ste. 200, Baltimore, Maryland 21224  
Usage Information: Call 1-888-DAP-TIPS or visit [dap.com](http://dap.com) & click on "Ask the Expert"  
Order Information: 800-327-3339  
Fax Number: 410-534-2650

### Product Description:

DAP® High Heat Fire Resistant Mortar is a non-combustible silicate cement used for patching chipped firebrick in fireplaces and sealing wood-burning stoves. Adheres firmly to the firebrick when wet or dry. Sets rock hard when fired. Can also be used for applications in wood frame construction where an ASTM E136 non-combustible sealant is required, such as sealing around vents, pipes, ducts, and chimneys at ceiling and floor level prior to the application of drywall products. It has been tested in accordance with ASTM E136 and withstands temperatures up to 2,000° F. DAP® High Heat Mortar is not a fire-rated sealant as defined by Underwriters Laboratories and is not appropriate for fire-rated applications. Interior use only.

### Suggested Uses:

- Use to tuck point between firebricks and to repair broken firebricks.
- Use to seal interior openings around vents, pipes, ducts, chimneys and fireplaces at ceiling and floor level in non-rated wood frame, one and two family dwellings where a non-combustible filler compound is specified.
- Installation of firestop, fireblock and/or draftstop construction requires adherence to specific building codes interpreted at the local level. Consult your local building inspector prior to the application of an ASTM E136 product for these purposes.

### **Performance Characteristics:**

- A gunnable paste that becomes brick hard when properly dried and fire-cured.
- At furnace temperature of 1382°F with maximum surface thermocouple of 1280°F and maximum interior thermocouple of 1240°F weight loss percentage equals 10.0.

### **Surface Preparation & Application:**

1. Prepare the application area by cleaning and removing dirt and debris.
2. For best adhesion, thoroughly dampen the surface with a brush and water before application.
3. Cut nozzle at 45° angle to an opening not less than 1/4" x 1/8".
4. Load cartridge into caulking gun.
5. Fill penetrations or voids with mortar.
6. Press mortar into crevices and smooth with a putty knife dipped in water.
7. Clean excess mortar from surface with a damp cloth.
8. Start a low burning fire until product dries (approximately 1 hour). Increase heat gradually to harden the mortar (1-2 hours). Protect the mortar from direct water contact until fire-cured. Joint width and depth should not exceed 1/8" x 1/8". Multiple layers can be applied. Allow 24 hours to cure between layers.
9. Fire-curing is not required until fill is complete.

### **For Best Results:**

- *Use in temperatures between 40°F – 100°F.*
- *Store caulk away from extreme heat or cold.*
- *Do not use for automotive, marine or for below waterline applications.*
- *Do not use in exterior applications, where excessive joint movement or frequent vibration may occur, or in areas exposed to water or moisture. Product will etch glass and be impossible to remove from glass or enamel surfaces if left to dry.*

### **Physical & Chemical Characteristics:**

Base:	Silicate Cement
Solvent:	Water
Color:	Black
Weight Per Gallon:	14.8 lbs
Service Temperature:	0°F to 2000° F
Flash Point:	Greater than 200°F
Freeze Thaw Stability:	Passes 5 cycles
Consistency:	Gunnable Paste
Applications:	Interior only
Shelf Life:	18 months when stored at 20°F
Coverage:	Approximately 122 linear feet at 1/8" diameter bead
MSDS No:	00077370004

### **Clean Up:**

Remove unwanted mortar from surface immediately with a wet cloth. Dried mortar must be chipped away.

### **Safety:**

See product label and Material Safety Data Sheet (MSDS) for safety information. You can request an MSDS by visiting our website at [dap.com](http://dap.com) or calling 1-888-DAP-TIPS.

**Satisfaction Guaranteed:**

If product fails to perform when used as directed, return used container and sales receipt to DAP Products Inc., Technical Customer Service, 2400 Boston St., Baltimore, MD 21224 for replacement product or sales price refund. DAP will not be liable for incidental or consequential damages.