



Red Devil

FIREPLACE & STOVE SILICATE CEMENT

Fireplace & Stove

DESCRIPTION

Fireplace & Stove Silicate Cement is a high temperature refractory and retort cement. It cures to a rock-hard finish with a warm fire and provides a durable, long-lasting seal that can withstand temperatures in excess of 2700°F.

PART #	PACKAGE	COLOR	UPC
0466	10.1 oz (300 ml) Cartridge	Black	075339004661

KEY FEATURES

- Meets ASTM-C199 (PCE 17-18)
- Meets ASTM-E136
- Pyrometric Cone Equivalent (PCE) of 7 - 8
- Prevents Drafts
- Non-Flammable

USES

Ideal for repairing and sealing openings, cracks, joints, and seams encountered in fireboxes, chimneys, furnaces, stoves, flue pipes, and multiple other refractory applications.

ADHERES TO

Fire Brick, Cinder Block, Concrete, Metal, and Mortar

ENVIRONMENTAL, SAFETY & TRANSPORTATION



- : Warning
- : Causes serious eye irritation.
- : Causes skin irritation.
- : May cause respiratory irritation.

SEE SDS FOR ADDITIONAL INFORMATION.

CRITERIA	STATUS
CARB Compliance	Yes
Prop 65 Ingredients	Yes (See SDS)
DOT Proper Shipping Name	Not regulated by DOT
DOT Hazard	N/A
DOT UN/NA Number	N/A
Packing Group	N/A
VOC Content	< 1 g/L

SURFACE PREPARATION

Surface should be firm, clean, and dry. Remove loose masonry, cement, and soot from surface.

DIRECTIONS

1. Clean and dry surface.
2. Clip off tip of nozzle/spout @ 45° angle to desired size.
3. Load cartridge into standard caulking gun.
4. Using steady pressure, force material into cavity.
5. Note: Sealant suitable for interior applications only. When desired depth of sealant has been achieved, smooth service with a Red Devil Putty Knife.
6. If sealant pulls back from surface, clean surface with a damp rag or sponge and re-apply.
7. Important – Do not allow material to get wet prior to heat cure.
8. Begin firing at low temperature. Do not start with a hot fire. Gradually increase the temperature to allow cement to harden into a solid, durable body, free from pores.

FOR BEST RESULTS

- Surface should be clean & free of contaminants.
- For interior surfaces only
- Store at temperatures above freezing.
- Provide low/warm fire for initial curing.

CLEAN UP

Excess product should be cleaned off tools and nonporous surfaces while uncured with dry cloth or paper towels. Solvents such as acetone or mineral spirits may need to be used with excessive amounts. Wash skin with warm water & mild soap.

LIMITATIONS

- For interior use only
- Protect from freezing.



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PHYSICAL/ PERFORMANCE PROPERTY	TEST METHOD	TYPICAL RESULT
Base Polymer	Known	Silicate Mortar
Cure Type	Known	Water-Based
Weight Per Gallon	Gardner Cup	14.4 lbs./gal
Consistency/Appearance (Uncured)	Visual Observation	Glossy Paste
Physical Cured State	Visual Observation	Solid Mortar
Odor	Subjective	None
Freeze / Thaw Stability	Test Lab	Passes 3 cycles
Shelf Life	Test Lab	Minimum 1 year unopened @ 77°F
Tack Free Time	ASTM D2377	10 Minutes at 75°F
Full Cure	Test Lab	24 hours until air-hardened
Service Temperature	Test Lab	-30°F to 2700+°F (-34.4°C to 1482+°C)
Flame Spread	Test Lab	0
Smoke Development	Test Lab	0
Clean-up	Test Lab	Solvent (Before Cure)
Crack Resistance	Test Lab	Excellent

CAUTION: NOT FOR INTERNAL CONSUMPTION. KEEP OUT OF REACH OF CHILDREN & PETS. KEEP FROM FREEZING (See SDS for additional safety information)

⚠ WARNING: This product can expose you to Titanium dioxide, Carbon Black, Respirable Powder, which are known to the state of California to cause cancer. For more information go to – www.P65Warnings.ca.gov

LIMITED WARRANTY

Recommendations for use of this product are based on tests we believe to be reliable. Manufacturer and seller are not responsible for results where this product is used under conditions beyond our control. If when applied as directed, this material peels, cracks or separates, it will be replaced without charge upon presentation of proof of purchase and used cartridge. This limited warranty only applies to residential use and damages including consequential damage and other remedies are excluded. No other warranties apply, including fitness for a particular purpose.