

## Black Furnace Cement

Item 64, 64A, 64C, 65, 66, 67

- For metal to metal or metal to masonry joints
- Withstands temperatures up to 2000°F
- Smooth consistency
- Ready mixed, easy to use

### Description:

Black Furnace Cement is a ready-mixed, high-temperature silicate cement with a smooth consistency. Can be used anywhere a high temperature resistant adhesive is needed. It withstands temperatures up to 2000°F.

### Performance Characteristics:

- No toxic fumes during heat curing
- After heat curing, is as hard as firebrick
- Does not contain asbestos

### Recommended Uses:

Ideal high heat sealant for bonding and sealing metal to metal joints under 1/8". May also be used for filling joints between masonry and metal. It is ideal for installing or resetting furnaces or oil burners. Makes joints smoke and gas tight. Also used as a temporary muffler repair. May be used on cast iron, steel or firebrick. For a product with a heavier consistency, use our Chimney Sweep® Furnace Cement.

### Surface Prep:

Clean all dirt, rust and foreign matter from the surface to be cemented. Dampen area surface lightly with water. Cover work area with drop cloths to prevent stains.

### Application:

**Cartridge, item 64C:** Cut top of nozzle on an angle to desired size. Insert cartridge in caulking gun. Apply cement at 1/8" bead. Allow at least an hour



for setting, then heat gradually when first starting fire.

**All other sizes:** Stir cement until uniform. Apply with a putty knife. Allow at least an hour for setting, then heat gradually when first starting fire for heat cure.

### Coverage:

Approximately 99 linear feet with 1/8" bead for Item 64C in the cartridge. For other sizes, it depends on the surface area and depth.

### Clean up:

Clean up spills or excess cement immediately with water to remove all traces. Stains should be washed with soap and water immediately. Do not use acid-based cleaners. *Once cured, this product cannot be removed from many surfaces including glass, tile and porcelain.*

### Typical Physical Properties:

Solvent	Water
Service Temperature	Up to 2000°F
Weight/Gallon	15.9 lbs.
Consistency	Smooth paste
Flashpoint	N/A
Dry Time	Air dry for 1 hour
Heat Cure Temperature	500°F
Color	Black
Shelf Life	18 months from the date of shipment
Storage/Handling	Do not freeze

**Limitations:**

Not for exterior use. Do not add water. Does not expand or contract.

**Warranty and Limited Remedy:**

This product will be free from defects in material and manufacture for a period of eighteen (18) months from date of manufacture. Rutland Fire Clay Company makes no other warranties including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose. User is responsible for determining whether the Rutland Fire Clay Company product is fit for a particular purpose and suitable for user's application. If this Rutland Fire Clay Company product is defective within the warranty period stated above, your exclusive remedy and Rutland Fire Clay Company's sole obligation shall be, at Rutland Fire Clay Company's option, to replace the Rutland Fire Clay Company product or refund the purchase price of the Rutland Fire Clay Company product.

**Limitation of Liability:**

Except where prohibited by law, Rutland Fire Clay Company will not be liable for any loss or damage arising from this Rutland Fire Clay Company product, whether direct, indirect, special, incidental or consequential, regardless of the legal theory asserted, including warranty, contract, negligence or strict liability.

**CAUTIONS:**

**Contains sodium silicate. Product is alkaline. Avoid contact with eyes and prolonged contact with skin. Wear safety glasses and rubber gloves. In case of contact with skin flush with water. In case of contact with eyes, flush with water for 15 minutes. Get medical attention.**

**KEEP OUT OF REACH OF CHILDREN  
EYE AND SKIN IRRITANT  
HARMFUL IF SWALLOWED**