

Refractory Cement

Item 610, 611, 612

- For setting and repairing fire bricks
- For sealing air leaks
- Premixed, easy to trowel
- Requires heat to cure
- Meets ASTM E136-79 flammability test



Description:

Refractory Cement is a ready-mixed, fiber-reinforced, sodium silicate based fireclay. It is for setting firebrick and making repairs to them, or used to prevent air leaks. When heat cured, it withstands 2000°F.

Performance Characteristics:

- Withstands up to 2000°F
- When heat cured it is as hard as firebrick
- Adheres well to masonry
- May be painted when dry

Recommended Uses:

Use Refractory Cement to repair cracked or broken firebrick in fireplaces or wood burning stoves. It is used for setting and bonding firebrick in the firebox chambers of fireplaces, furnaces, stoves and incinerators, or for setting flue tile with thin 1/16" to 1/8" glue line bonds. *Please note that if it is used to install flue tile, it is recommended that a chimney cap be installed to keep the flue from getting wet.* It may be used to install or reset furnaces, or oil burners where the black color of furnace cement is not appropriate. Seals air and gas leaks around coal or ash pit doors.

Surface Prep:

Clean all dirt, rust and foreign matter away from the surface to be cemented. Dampen the area lightly with water prior to applying cement.

Application:

Apply cement at temperatures of 60°F or higher. After dampening the area to be treated, trowel Refractory Cement to a thickness not exceeding 1/8". Allow at least 24 hours for air drying then apply heat gradually when first starting fire, to prevent the creation of steam, which can cause it to bubble.

Coverage:

One gallon covers approximately 45 firebricks that are 4 1/2" x 9".

Clean up:

Clean up immediately with water.

Typical Physical Properties:

Solvent	Water
Weight/Gallon	14.7 lbs
Consistency	Trowelable paste
VOC	N/A
Flashpoint	N/A
Tooling Time	30 minutes
Dry Time	24 hours
Heat Cure Time	1 hour
Heat Cure Temperature	500°F
Color	Buff
Storage/Handling	Keep from freezing

Limitations:

Protect from freezing. If it is exposed to freezing, let it thaw, stir it and it will go through one freeze thaw cycle. Requires heat to cure. Not for use outdoors.

Do not exceed 1/8" thickness per application. If used to set flue tile, it is recommended that a chimney cap be installed. Apply cement at a minimum of 60°F.

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 alkaline silicate. Avoid contact with eyes and skin. Wash hands thoroughly with soap and water after handling. In case of eye contact, flush with plenty of water for at least 15 minutes. Get medical attention. If ingested, get medical attention.

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