



F W P G I

# RUTLAND® Products

## Refractory Cement

Item 610, 611

### Features

- Withstands temperatures up to 2000°F
- For setting and repairing fire bricks or sealing air leaks
- For interior use
- Can be painted once heat cured
- Heat cures as hard as fire brick
- Adheres well to masonry
- Meets ASTM E136-79 flammability test

### Recommended Uses

Use Refractory Cement to repair cracked and broken fire brick, or use to set and bond fire brick in fireplaces, furnaces, stoves and incinerators. Can be used to set flue tile with thin 1/16" X 1/8" glue line bonds. Seals air and gas leaks around coal or ash pit doors. It may be used to install or reset furnaces, or oil burners where the black color of furnace cement is not appropriate.

### General Description

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

### Limitations

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

## Product Information

### Surface Prep and Application:

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

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.

To heat cure, start a small fire, keeping the temperature low. Gradually build to a large fire, approximately 500°F, after about an hour. Keep at the high heat for another hour.

### Clean Up:

Clean up immediately with water.

### Coverage:

4 1/2" X 9" X 1 1/4"

Product Usage Key:

I Indoor O Outdoor P Pellet Stove G Gas Fireplace F Fireplace W Woodstove

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

### Warranty & Limited Remedy:

This product will be free from defects in material and manufacture for a period of eighteen (18) months from the 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.

### 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 and get medical attention. If ingested, get medical attention.

KEEP OUT OF REACH OF CHILDREN

IRRITANT TO SKIN AND EYES

HARMFUL IF SWALLOWED

Please direct all inquiries regarding performance of this product to:

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