



HIGH HEAT FURNACE CEMENT TECHNICAL SPECIFICATION

Job Name _____	Item # _____
Location _____	
Engineer _____	Contractor _____
PO # _____	Tag _____
Representative _____	

DESCRIPTION

- A ready to use, premixed, air setting, high temperature refractory and retort cement for mortar facing, caulking or coating.
- **Exclusive* Clean 'n Friendly™** formulation of high purity ingredients provides a dependable cement containing no oils, no asbestos, no silicon dioxide. Smoother consistency provides for an easy application.
- Use to seal and repair boilers, furnaces, fireboxes, flue pipes, stoves, ducts, kilns, chimneys, combustion chambers, and many other furnace and refractory applications. **High Heat Furnace Cement** can be used on oil, gas, coal, and wood-burning heating systems. Adheres to most building materials and when cured makes positive non-porous, fireproof, acid proof seals that will not shrink, crack or crumble. Freeze point below +10°F for uncured material. Product is available in Regular Body, non-runny, tan colored cement and **Heavy Body** firmer consistency, dark gray cement.

*Patent 6,506,247

APPLICATION/USES

- For use on fireboxes, boilers, stoves, ovens, flue pipes, kilns, chimneys, ducts, combustion chambers, masonry surfaces, and many other furnace and refractory applications.
- **High Heat Furnace Cements** are recommended for use in installing and repairing gas, oil, coal, and wood burning heating systems.
- *For special applications which may not be covered on this or other Oatey literature, please contact Oatey Technical Services Department by phone 1-800-321-9532, or fax 1-800-321-9535, or visit our technical database web-site at www.Oatey.com.

APPROVALS AND LISTINGS

Patented formula meets or exceeds OSHA requirement for minimal silica content.

WARNINGS OR CAUTIONS

- Read all cautions and directions carefully before using this product.
- **Keep out of reach of children.**
- Contains Sodium Silicate - Avoid prolonged contact with skin and eyes as severe irritation may occur.
- **Product is alkaline; avoid contact with acidic material.**
- For spills, use absorbent material, sweep up and dispose as nonhazardous waste.
- Exterior use with exposure to weather not recommended unless sufficient temperature and dryness is achieved for a heat cure and/or cement is not exposed to water while curing. This would include applications such as barbecue grills or outdoor boilers.

DIRECTIONS FOR USE

Surface to be joined or repaired should be clean and free of any old cement or debris. Clean surface and remove paint, grease, or oil before applying **High Heat Furnace Cement**. Wash cleaned area with water. Do not apply to very hot surfaces; wait until surfaces cool down. Apply thin layer of cement covering all openings. Press tightly into section or part being repaired or sealed. Apply liberal second layer of cement and smooth with trowel. If adding adjoining sections, place gently and avoid any twisting motions. Remove excess cement and smooth edges. Start heat using low temperatures for initial firing. Gradually increase the temperature allowing the cement to cure to a solid and durable mass, free from pores. Full firing may follow. Always keep container tightly covered when not in use.



PHYSICAL PROPERTIES

Specific Gravity 60°F - 65°F	1.95 +/- .03
Solubility in Water	Slightly soluble in water and water miscible.
Temperature Limitations	Hercules furnace cement is similar in characteristics to other brands which are advertised as "3000° type". Actual time/temperature application will affect product performance. Contact Hercules Technical Support for application information.
Appearance and Color	Regular Body: Tan colored paste. No odor. Heavy Body: Dark Gray/Black colored paste. No odor.

MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THIS PRODUCT, REQUEST SAFETY DATA SHEET (SDS) #7330E

For Delivery By Fax	Call 1-800-321-9535
Internet	See SDS section of www.Oatey.com
HMIS® ratings	Health: 3 Flammability: 0 Physical hazard: 0

PRODUCT NUMBER	SIZE	PACKING	WEIGHT/CASE
Regular Body			
35503	1/2 pt.	24	27.0 lbs.
35504	1 pt.	12	27.0 lbs.
35515	1/2 gal.	6	53.0 lbs.
35610	1 gal.	4†	65.0 lbs.
Heavy Body			
35521	1/2 gal.	6	53.0 lbs.
35526	1 gal.	4†	72.0 lbs.

Access BIM/Revit content through www.oatey.com