

furnace cement

Furnace/Stove Cement



specifications

furnace cement

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

Furnace cement can be used on oil, gas, coal, and woodburning 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

SIZES AND PACKING

STOCK NO.	SIZE	PACKING	WEIGHT/CASE
Regular Body			
35509*	11 oz.	12	18.0 lbs.
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.

*Cartridge

Note: Hercules former product "for heat's sake™" has been replaced with **furnace cement, Stock No. 35610.

† Carton packing will change to 2 pack on/or about the 4th quarter of 2001.

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Spec Sheet #S00105/106

APPROVALS AND LISTINGS

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

SPECIFIC USES

For use on fireboxes, boilers, stoves, ovens, flue pipes, kilns, chimneys, ducts, combustion chambers, masonry surfaces, and many other furnace and refractory applications.

SPECIFIC APPLICATIONS*

Hercules Regular/Heavy Body furnace cements are recommended for use in installing and repairing gas, oil, coal, and wood burning heating systems.

PHYSICAL PROPERTIES

Specific Gravity: 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/color/odor: **Regular Body:** Tan colored paste. No odor.
Heavy Body: Dark Gray/Black colored paste. No odor.

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 non-hazardous 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 **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.



MATERIAL SAFETY INFORMATION

FOR MORE INFORMATION ON THESE PRODUCTS, REQUEST:

MATERIAL SAFETY DATA SHEET - Regular Body (MSDS) #105

MATERIAL SAFETY DATA SHEET - Heavy Body (MSDS) #106

HMIS Hazard Warning 2-0-0-A.

INGREDIENTS	CAS#
Sodium Silicate	1344-09-8
NJ-T.S.R. #31348300 5002P, 5009P, 5051P, 5052P, 5053P	

For Delivery by Fax	Call 1-800-942-4636
Internet	See MSDS section of www.herchem.com
Mail	Contact Hercules at address below or any Hercules representative

* For special applications which may not be covered on this or other Hercules literature, please contact Hercules Technical Services Department by phone at 1-800-221-9330 or send a fax to 1-800-333-3456.



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