

DETRICK CASING CEMENT

Detrick Casing Cement is a hard exterior finish originally developed for certain Detrick Sectionally Supported furnace enclosures. Casing Cement comes in dry form ready to be mixed with water at the job site. Hydraulic setting, it is usually troweled in place in the panels formed by supporting structural steel members. May be used in place of steel casings in many applications. Sets up to provide a neat protective covering for insulation, effectively sealing the enclosure.

STRONG - AIR-TIGHT

Since the main purpose of casings often is to provide a more air-tight enclosure, a monolithic application of Detrick Casing Cement is very effective. It is troweled into position 1/2" to 1" thick, keyed in place by perimeter supporting members or otherwise secured to the insulation previously applied. Casing Cement remains tight against the insulation and leaves no room for air movement through or behind the casing. Should an interior leak occur, it is easy to locate and repair. Casing Cement properly applied prevents blind leaks from short circuiting gases to another part of the furnace enclosure.

APPEARANCE

After Casing Cement is troweled in place and has attained its hydraulic set, it may be left just as it dries to present a pleasing, smooth appearance. When desired, it may be painted in harmony with the steel panel structure around it.

INDOOR AND OUTDOOR USE

Detrick Casing Cement withstands repeated freezing-and-thawing cycles conducted per ASTM C-290 and C-291, without deteriorating. For this reason, it has been used as the exterior finish on many wall designs of oil refinery heaters, boilers, stress relieving furnaces, etc., exposed to a wide variety of outdoor weathering conditions.

PHYSICAL PROPERTIES (Trowel Application)

Temperature Limit	1800 F.
Water Ratio	4.5 gals. per 50 lb. bag
Setting Time	4 to 6 hours
Coverage (Applied and Dried)	33 sq. ft. 1" thick per 100 lbs.
Material Requirements	3 lbs. per sq. ft. 1" thick
Compressive Strength (Air Cured)	465 psi
Density (Applied and Dried)	41.5 lbs. per cu. ft.
Shrinkage (Wet to Dry, By Volume)	Less than 2%
Thermal Conductivity (k) @ 500 F. Mean Temperature	0.93 Btu
Shipping Container (Sewn Closure)	50 lb. paper bag

STORAGE & APPLICATION

Store in a cool, dry location until ready to use. Mix, apply and cure as with other hydraulic setting cements.

**PLAINTIFF'S
EXHIBIT**

MHD-203