

Pyrocrete® 241 HD



Pyrocrete 241 HD is a heavy duty cementitious fireproofing material that provides industry leading ratings and superior physical properties. This product is ideal for shop and field applied fireproofing projects including structural steel, vessel skirts, bulkheads, LPG Vessels, LNG terminals and for upgrading the fire resistance of existing concrete structures.

PRODUCT DETAILS Pyrocrete 241 HD is a premium cementitious fireproofing material with superior physical properties. This extremely durable material exhibits excellent compressive strength, high bond strength and superior damage resistance when handling and erecting steel structures. Pyrocrete 241 HD is ideal for shop-applied fireproofing and will minimize the cracking and crushing damage that may occur when stacking shop applied steel onto trucks and lifting the pieces into place on the jobsite. These robust physical characteristics will lead to lower field repair costs and faster project scheduling because of less repair

APPLICATIONS

REFINERIES
CHEMICAL PLANTS
GAS PLANTS
LPG VESSELS
LNG FACILITIES
PHARMACEUTICAL FACILITIES
PULP AND PAPER MILLS
NUCLEAR POWER
CONVENTIONAL POWER
FACTORIES & WAREHOUSES
BIOMEDICAL FACILITIES
COMMERCIAL BUILDINGS

FEATURES

- › Excellent physical properties – hard, durable
- › High impact strength
- › Easily applied by spray or trowel
- › Lightweight – 1/5 the weight of concrete for equal fire protection
- › Asbestos-free – complies with EPA and OSHA regulations
- › Industry leading hydrocarbon, cellulosic and jet fire ratings
- › UL 1709 & ASTM E-119 rated, FM Global approved
- › Successfully tested for cryogenic exposure, 3 bar overblast and hose stream endurance
- › Approved for use on LPG Vessels
- › Three Bar Overblast and Hose Stream Certified

Pyrocrete® 241 HD

Quality Product Backed by Quality Service

- › Carboline Company has been solving tough corrosion and fireproofing problems since 1947
- › Industrial service centers and sales offices located around the world
- › Over 20 worldwide manufacturing locations with a global network of sales and technical support
- › Industry leading field service and technical engineering support team
- › Certified to ISO 9001

Reasons To Use Pyrocrete 241 HD

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
High Density	Harder, more durable material	Resists handling and transportation damage, fewer onsite repairs
Good Coverage	12.0 ft ² per bag @ 1" (1.1 m ² per bag @ 25.4 mm)	Good yield per bag, economical application
High Compressive Strength	Resists cracking and impact damage	Can resist impact damage during construction
High Bond Strength	Prevents disbondment and cracking	Prevents failures, lower repair and maintenance costs
Low Thicknesses	Less material used for projects	Savings on material and labor to install
Long Material Shelf Life	Longer storage window, greater flexibility for ordering and stocking material	Reduces chance for overage (expired material) during project delays

Coverage Rates

[BASED ON 4 SIDED UL 1709 CONTOUR DESIGNS] ¹		
Hourly Rating	Pyrocrete 241 HD Thickness (UL XR-701)	Pyrocrete 241 HD Coverage Rates (ft ² per bag) ²
3/4	1/2" (13mm)	24.0 (2.2 m ²)
1	11/16" (17mm)	17.5 (1.6 m ²)
1-1/2	15/16" (24mm)	12.8 (1.2 m ²)
2	1-1/8" (29mm)	10.7 (1.0 m ²)
2-1/2	1-5/16" (33mm)	9.1 (0.8 m ²)
3	1-3/8" (35mm)	8.7 (0.8 m ²)
4	1-9/16" (40mm)	7.7 (0.7 m ²)

[BASED ON 4 SIDED UL 1709 BOX DESIGNS] ¹		
Hourly Rating	Pyrocrete 241 HD Thickness (UL XR-702)	Pyrocrete 241 HD Coverage Rates (ft ² per bag) ²
3/4	5/8" (16mm)	19.2 (1.8 m ²)
1	11/16" (17mm)	17.5 (1.6 m ²)
1-1/2	7/8" (22mm)	13.7 (1.3 m ²)
2	1" (25mm)	12.0 (1.1 m ²)
2-1/2	1-1/8" (29mm)	10.7 (1.0 m ²)
3	1-1/4" (32mm)	9.6 (0.9 m ²)
4	1-1/2" (38mm)	8.0 (0.7 m ²)

Notes: ¹ UL 1709 thicknesses based on W10 x 49 (W/D = 0.84, or HP/A = 159)

² A board ft. is one ft² of material at one inch thick (0.09 m² of material at 25.4 mm thick)



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