Pyrocrete® 241

Pyrocrete 241 has the highest density, and best physical properties of any cementitious fireproofing material in the marketplace.

PRODUCT DETAILS

Pyrocrete 241 is recommended for the fire protection of structural steel, vessel skirts for bulkheads, LPG vessels and upgrading the fire resistance of existing concrete. It has a proven track record of field and shop applied fireproofing projects. Pyrocrete 241 has been an industry leader in these types of applications for over 30 years. Shop application is the most efficient way to apply Pyrocrete 241. Pyrocrete 241 can better resist the damage incurred from handling and erecting steel structures.

APPLICATIONS

REFINERIES

CHEMICAL PLANTS

GAS PLANTS

LNG FACILITIES

PHARMACEUTICAL FACILITIES

PULP AND PAPER MILLS

NUCLEAR POWER

CONVENTIONAL POWER

FACTORIES & WAREHOUSES

BIOMEDICAL FACILITIES

COMMERCIAL

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
- Nonflammable – during or after application
- Asbestos-free – complies with EPA and OSHA regulations
- UL 1709, UL E-119 and FM Certification
- Certified for cryogenic exposure
- For hydrocarbon pool fire; Lloyds Register of Shipping Certification
- Jet fire Certified

Pyrocrete® 241

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

PERFORMANCE FEATURE	ADVANTAGE	BENEFIT
High Density	Harder, more durable material	Resists handling and transportation damage, fewer onsite repairs
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 Rating 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 UL 1709 CONTOUR DESIGNS)2		
Hourly Rating	Pyrocrete 241 Thickness (UL XR-701)	Pyrocrete 241 Board Ft. Coverage
3/4	1/2"(13mm)	28.6
1	11/16"(17mm)	20.8
1-1/2	15/16"(24mm)	15.3
2	1-1/8"(29mm)	12.7
2-1/2	1-5/16"(33mm)	10.9
3	1-3/8"(35mm)	10.4
4	1-9/16"(40mm)	9.2

COVERAGE RATES (BASED ON UL 1709 BOX DESIGNS)2		
Hourly Rating in Minutes	Pyrocrete 241 Thickness (UL XR-702)	Pyrocrete 241 Board Ft. Coverage (50 lbs. bag)1
3/4	5/8"(16mm)	22.9
1	11/16"(17mm)	20.8
1-1/2	7/8"(22mm)	16.3
2	1"(25mm)	14.3
2-1/2	1-1/8"(29mm)	12.7
3	1-1/4"(32mm)	11.4
4	1-1/2"(38mm)	9.5

Notes: A board ft. is one ft² of material at one inch thick (0.09 m² of material at 25.4 mm thick)
UL 1709 thicknesses based on W10 x 49 (W/D = 0.84, or HP/A = 159)

Carboline Company
Global Headquarters
2150 Schuetz Road
St. Louis, MO 63146 USA
PH: +1-314-644-1000
www.carboline.com

01-46-1014-476