

# COLD FUSION CONCRETE Fireproofing-FP250

## REVOLUTIONIZE Your Industrial Construction and Repair Projects with the Power of FP250

FP250 is a sprayed fire-resistive material (SFRM) providing the strongest, most durable, and environmentally-friendly fireproofing solution on the market.

- Bond strength > 2500 PSF at 42-50 PCF
- Apply in a single lift—even at our 4-hr rating
- Chemically bonds with steel for exceptional corrosion protection
- Best-in-class GREEN product



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[geopolymertech.com](http://geopolymertech.com)



Geopolymer Solutions' FP250 supports major Texas Gulf Coast oil company with passive fireproofing for structural steel beams, vessel skirts and equipment supports.



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## Key Features, Benefits & Test Results

Key Features and Benefits	Test Method	Results
Dry Density	ASTM E605	43.5 PCF
Compressive Strength @ 10% Deformation	ASTM E761	>2,500 PSI
Bond Strength	ASTM E736	>24,770 PSF
Hardness Shore DO	ASTM D2240	>50
Impact Resistance	ASTM D2794	Pass—No Cracking at 20-foot Pounds
Deflection	ASTM E759	Pass
Bond Impact	ASTM E760	Pass
Flame Spread	ASTM E84	0
Smoke Development	ASTM E84	0
Rapid Fire Temperature Rise Hydrocarbon Fire Exposure	UL 1709	Pass
Jet Fire Resistance Determination	ISO 22899-1	Pass
Fire Test of Building Construction and Materials	UL 263	Pass
Fire Safety Solutions Hose Stream Resistance	ASTM E119	Pass
Application Temperature -10°C/14°F to 149°/300°F		
HAPS Free 100% Green Formulation no VOC's		
No Lath or Mesh for Application		
Signal Application to Achieve UL Design		
DTM or Over a Approved Primer for Carbon Steel		
Approved Primer Over Galvanized or Stainless Steel		
Handles Freeze & Thaw in the Coldest Environments		
Elevated Resistance to Acids and Bases		
Thermal Coefficient of Expansion (1.7 X10 <sup>-6</sup> )	ASTM D696	

FP250 SFRM is 100% eco-friendly, and contains no portland cement. Pour with any suitable rotor stator, squeeze, or piston type pump. Learn more on our website at [geopolymertech.com/fp250](https://geopolymertech.com/fp250).



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