

FP 150

by FullSulate®

HIGH-PERFORMANCE INSULATION: SIMPLE TO APPLY, DESIGNED TO SAVE.

What is FP150?

FP150 is a next-generation thermal insulation mortar, available as a premix system or through FP Construction® with Method Statement. It provides strong fire resistance, effective thermal insulation, controlled vapor movement, and high water resistance, all applied in a single spray coat. With FP150, construction becomes simpler, safer, and more cost-efficient, meeting today's strict technical and environmental expectations.

Application Areas



Residential and commercial facades



Energy-efficient renovation projects



Masonry, concrete, and block substrates



Facade systems requiring A2 fire classification



External wall insulation for new builds and retrofits



Manual or machine-applied spray / render insulation systems



Prefabricated wall elements, including panels and modular units

CORE ADVANTAGES

- Provides **sound insulation**, supporting improved acoustic comfort in built environments.
- Offers **rodent resistance**, protecting the structure from unwanted intrusion.
- Results in **zero cutting waste** during application, reducing on-site material loss.
- Ensures consistent **thermal insulation** with a conductivity value of $\lambda = 0.048 \text{ W/mK}$.
- Achieves **fire resistance** with an A2-s1-d0 classification, meeting strict safety standards.
- Remains **compatible with standard mortar pumps**, simplifying the installation process.
- Made from **100% mineral-based** materials, **fully recyclable** and **non-toxic**.
- Maintains **vapor permeability** and **water repellency**, with a μ value of 5.98.
- Applies **2–15 cm in one layer**, or **up to 40 cm in formwork**, competitive with insulation mortars and systems.
- On average, **25–30% more cost-effective** than insulation mortars or board systems, while **maintaining the same U-value**.

CONTACT US



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FEATURE COMPARISON

Feature	FP150 (Premix System)	EPS / XPS Boards	Rockwool / Stone Wool
Total System Cost	Baseline (100%)	+49% higher	+59% higher
Installation Speed	Pump or spray-applied – 1 layer	Manual panels, multiple layers	Manual install, multiple layers
Labor Cost & Complexity	Low & Fast: mechanized, no cutting	High labor & handling	High labor & handling
Fire Resistance	Non-flammable – A2 Rated	Flammable B-E	A1 Rated
Thermal Performance (λ)	0.048 W/mK	0.034–0.040 W/mK	0.035–0.040 W/mK
Waste on Site	Zero cutting waste	~15% waste from board cutting	~15% waste from board cutting
Eco-Friendliness	Mineral-based, non-toxic, recyclable	Petrochemical-based	Energy-intensive manufacturing
Tool & Machinery Needs	Standard mortar pump	Panel fixings, tools, profiles	Panel fixings, tools, profiles
Compatibility & Learning Curve	No special skills or retraining required	Requires trained installers	Requires trained installers
Moisture Control	Water repellent & breathable ($\mu = 5.98$)	Low permeability, condensation risk	High vapor permeability, less water control
Rodent Resistance	Proven	Not guaranteed	Not guaranteed

FP150 sets a new standard in insulation: fire-safe, cost-efficient, and easy to apply. It is the go-to solution for dry mix producers, building material distributors, and large construction companies seeking state-of-the-art insulation without complexity.

ONE SYSTEM, ONE SOLUTION, ONE LAYER: FP150.



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