

FP300

by FullSulate®

HIGH-PERFORMANCE FLOORING & ROOF INSULATION: FAST, COST-EFFICIENT, FIRE-SAFE.

What is FP300™?

FP300™ is a next-generation insulating screed, available as a premix or via FP additives™ + Method Statement. It replaces traditional EPS/XPS panels and gravel-based build-ups with a single, pump-applied, mineral-based solution. Offering superior thermal insulation, fire resistance, sound absorption, and zero waste, FP300™ is the smarter choice for modern flooring, roofing, and renovation projects.

Application Areas



Insulation and leveling for flat roof systems



Alternative to gravel or rigid panels in floor build-ups



Floor upgrades in renovation and retrofitting projects



Base insulation beneath screeds and floor coverings



Pump-applied installation for large-scale flooring projects



Thick-pour use cases, allowing up to 40 cm in one application



Fast-track construction sites requiring time-efficient floor systems



Residential, commercial, and industrial applications with demanding substrate conditions

CORE ADVANTAGES

- Provides **cost savings**, with a system cost baseline **30–46% lower** than EPS, XPS, and stone wool alternatives.
- Allows **fast application** in a **single pump-applied layer up to 40 cm**, with no cutting and no waiting time between coats.
- Ensures **fire resistance** with an A2-s1, d0 certification, maintaining performance for **more than 120 minutes**.
- Offers strong **thermal performance** with a conductivity value of $\lambda = 0.054 \text{ W/mK}$.
- Features a **lightweight density** of 170-180 kg/m³, providing excellent workability.
- Contributes to **acoustic protection**, reducing impact sound by up to 14 dB.
- Designed to be **eco-friendly**, generating **zero waste**, **fully recyclable**, and safe for workers.
- Ensures ease of use, **compatible** with standard mixers and screed pumps, requiring **no special training**.
- Provides **step resistance** with a compressive strength of 160 kPa, suitable for walkable surfaces.

CONTACT US



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FEATURE COMPARISON

Feature	FP300™ (Premix System)	EPS / XPS Boards	Rockwool / Stone Wool
Total System Cost	Baseline (100%)	+46% higher	+30% higher
Application Time	Fast: One pump-applied layer	Multi-step (gravel, boards, finishes)	Manual & multi-step
Labor Complexity	Low: No cutting or layering	High: Panels, leveling, corrections	High: Sensitive handling
Fire Resistance	A2-s1-d0 Rated (>120 min)	Flammable (Category E)	A1 Rated
Thermal Conductivity	0.054 W/mK	0.033 W/mK	0.036 W/mK
Impact Sound Insulation	14dB @ 500Hz	Not certified	Not certified
Water & Vapor Control	Water-repellent & breathable	Vapor-blocking - condensation risk	Breathable but less water-resistant
Economical Impact	Non-toxic, recyclable, no plastic	Petrochemical base	High energy use
Waste Generation	Minimal (<5%)	~15% from cutting, off-cuts	~15% packaging & offcuts
Machinery Compatibility	Works with standard mixers/pumps	Requires precise panel handling	Requires additional fixing systems
Compression Strength	160 kPa	100 kPa	40–70 kPa

FP300™ redefines screed insulation: cost-effective, fire-safe, and fast to apply. It integrates into existing workflows, eliminates inefficiencies of panels and gravel, and is designed for large-scale developments, retrofits, and modern construction projects.

One layer, one solution: FP300™.



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