

FP MODULAR

CONFIGURABLE MINERAL PLATFORM FOR MODULAR, LGS AND INDUSTRIALIZED BUILDING SYSTEMS

What is FP Modular?

FP Modular is a configurable, mineral-based material platform for modular, LGS (light-gauge steel) and prefabricated building systems. Integrated into a partner's building system, it forms continuous thermal-insulating, filling, levelling and slope-forming layers for walls, floors and roofs and, in validated configurations, complete non-load-bearing wall assemblies or elements.

The application-specific **FP Wall**, **FP Floor** and **FP Roof** formulations - together with compatible **FP Plaster systems** - can be pumped, poured, spray-applied or placed into moulds using conventional equipment, either in the factory or on site. The **continuous material** fills spaces around profiles, building services and complex geometries, and can consolidate selected layers, reducing interfaces, waste and coordination risk.

Key benefits



Potential to consolidate selected thermal-insulating, filling, levelling and finishing layers.



Fewer material interfaces and fewer manufacturing or installation stages.



Joint-free placement around profiles, building services and complex geometries.



Less cutting waste and simpler material logistics.



Thermal and mechanical performance can be tailored to the selected assembly.



Mineral-based formulations with favourable fire-performance potential.

THREE CORE SYSTEMS, FLEXIBLE INTEGRATION

FP MODULAR WALL

Continuous thermal insulation and filling for framed external walls and, in validated configurations, the body or core of complete non-load-bearing walls and partitions. Compatible **FP Plaster systems** can complete the mineral-based wall assembly.

FP MODULAR FLOOR

Pumpable thermal-insulating and levelling layers around building services and underfloor heating; the final load-distributing layer is determined by the structural design.

FP MODULAR ROOF

Continuous thermal insulation and slope formation beneath the required waterproofing system.

FACTORY AND SITE INTEGRATION

FP Wall, **FP Floor** and **FP Roof** configurations can be integrated into LGS panels, volumetric modules and prefabricated elements, in the factory or on site.



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TECHNICAL SUMMARY

System type	Configurable, mineral-based thermal-insulating and filling platform
Applications	Walls, partitions, floors, slabs and flat roofs
Application method	Pumpable, pourable, spray-applied or mould-cast
Design λ	Typically 0.048-0.07 W/mK, configuration-dependent
Thickness	Typically 2-40 cm, application-dependent
Fire performance	Formulation- and assembly-dependent; typically A2-s1,d0
Vapor diffusion resistance	$\mu = 5-7$
Production	Premixed product or controlled local production under licence

What does FullSulate® provide?

FullSulate provides its **proprietary FP additives® technology, application-specific formulations, existing technical documentation, and support for prototyping and system-integration**. Approved configurations can also be manufactured locally under a controlled licensing and quality-assurance model; the partner is responsible for structure-specific validation, certification and market localization.

How does integration start?

1. Assess the existing structural design and target performance.
2. Select the first application area with the highest added value.
3. Configure and prototype the relevant FP solution.
4. Define structure-specific validation and certification requirements.
5. Compare the prototype with the current build-up and agree a pilot programme.

Important technical note

Final thicknesses, performance values, build-ups and classifications are defined and validated for the partner's specific structure, manufacturing method, use case and target market.



LET'S IDENTIFY THE STRONGEST FIRST APPLICATION TOGETHER.

Share the system you build, your current assembly and target market; together we can define a comparative prototype or pilot programme.

CONTACT US



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