

FP ROOF

PUMPABLE MINERAL INSULATION AND SLOPE-FORMING FOR FLAT ROOFS

What is FP Roof?

FP Roof is FullSulate's **configurable mineral insulation and slope-forming system** for flat roofs and roof slabs. Pumpable or castable, it forms a continuous, joint-free thermal-insulating layer built on **FP additives®** technology, adaptable to the thickness and geometry required by the project, including insulation and slope-forming in a single layer.

Application areas



Flat roof insulation and slope-forming, in one layer (Slope profile)



Thermal insulation of attic floor slabs (Loft profile)



Roof slabs and top-floor ceiling structures



Renovation roof build-ups



Large, geometrically complex roof surfaces



Joint-free detailing around roof penetrations, drains and junctions

CORE ADVANTAGES

- Combines **insulation and slope-forming** in a **single, joint-free layer**.
- Follows **complex geometry and drainage points** without board cutting.
- Reduces **installation labour and logistics** on large roof surfaces.
- Levels **uneven existing surfaces** in renovation projects.
- **100% mineral-based**, non-toxic, vapour-permeable and water-repellent.
- Available as **premix for pilots** or as **FP additives® + local raw materials** for licensed, localized production at scale.



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REFERENCE PROFILES*

Profile	Typical application	λ	Bulk density	Thickness range
FP Roof Slope	Flat roof insulation layer, flat roof slope-forming layer	0.048 W/mK	145 kg/m ³	5-27 cm
FP Roof Loft	Thermal insulation of attic floor slabs	0.048 W/mK	145 kg/m ³	5-27 cm

* Upper values reflect the layer thickness required to meet Hungarian U-value regulation (9/2023 ÉKM decree) for each profile; the system itself can be cast from approx. 2-40 cm upward. Actual thickness is project- and market-specific, set by the target U-value, required fall (Slope) and local building regulations – requirements outside Hungary, e.g. in GCC markets, may differ. Both profiles share $\mu \approx 5.98$, compressive strength $\sigma \approx 104.7$ kPa and fire classification A2-s1,d0 – the distinction between Slope and Loft is the field of application, not a different performance level.

System boundary

FP Roof is the base thermal-insulating and slope-forming layer of the roof, available in two reference profiles for flat roof and attic floor applications. The final waterproofing membrane, protective or wearing layer must be defined separately as part of the complete roof build-up.

FullSulate provides **proprietary FP additives® technology, application-specific formulations, existing technical documentation and application support**. Approved configurations can be produced locally under a controlled licensing and quality-assurance model; the partner completes assembly-specific validation, certification and market localisation.

How does integration start?

1. Map the existing roof build-up and target performance.
2. Select the highest-value first application.
3. Configure and prototype the FP Roof formulation.
4. Define assembly-specific validation and certification requirements.
5. Compare the prototype with the current build-up and agree a pilot programme.

Important technical note

Final thicknesses, build-ups, performance values and fire classification are determined and validated for the partner's structure, production method and target market. Values above are indicative design references, not declared performance values for every formulation

LET'S IDENTIFY THE STRONGEST FIRST APPLICATION.

Share your current roof build-up and target market; together we can define a comparative prototype or pilot programme.