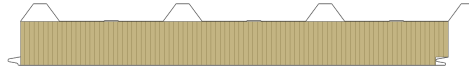


## LiteSpan Panels — Core Selection Guide

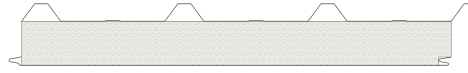
Choose the core: Stone Wool · EPS · PIR

### Which core?

All LiteSpan panels share the same profiles (990 DPR / IBR and 1145 Flat) and steel skins — only the insulation core changes. Use this guide to pick the core, then see the matching datasheet for full data. Green highlights the strongest option per row.



Stone Wool



EPS (FRCell®)



PIR

Property	Stone Wool	EPS (FRCell®)	PIR
Insulation $\lambda$ (W/mK)	~0.035	0.035	~0.022–0.024
R-value @ 100 mm	2.86	2.86	4.35
Panel weight @ 100 mm (kg/m <sup>2</sup> )	~18	11.1	13.6
Reaction to fire	A1 non-combustible	B-s1,d0	combustible
Fire-resistance system	FR30 / FR60	none	none
Max service temp.	760 °C	~80 °C	~110 °C
Acoustic	excellent	good	moderate
Relative cost	higher	lowest	mid
Best for	fire / high-temp / cold rooms	lightweight, budget, general	thin high-R build-ups

**Rule of thumb:** need a **fire rating** or high heat → Stone Wool · need **lightest / lowest cost** → EPS · need the **thinnest panel for a target R** → PIR. All three carry Technopol's cover-width, skin and fixing options unchanged.

R-values computed from declared core  $\lambda$ ; EPS/PIR weights indicative — confirm project values with Technopol. PIR fire test to be confirmed current.