



## ENERGY PERFORMANCE

### Thermal Performance

The ability of a Panel core to resist transfer of heat makes the most significant contribution to the thermal performance of a building envelope.

The easy to seal slip-joint facilitates efficient hermetically sealed construction. Controlling the airflow in and out of a building enables efficient heating and cooling of the internal environment.

R Values; (m<sup>2</sup> K/W) at 15° Celsius (Based on advertised data)

PANEL THICKNESS	XFLAM	EPS	PIR	MINERAL WOOL
50mm	1.6	1.3	2.4	1.2
75mm	2.4	2.0	3.6	1.8
100mm	3.2	2.6	4.8	2.5
150mm	4.8	4.0	7.1	3.7
200mm	6.4	5.3	9.1	N/A
250mm	8.0	6.6	N/A	N/A

### Acoustic

ASKIN® Panel Achieves the following ratings for 100mm panel, tested in accordance with ISO 717

PANEL TYPE	R <sub>w</sub>	R <sub>w</sub> + C <sub>tr</sub>
ASKIN® EPS Panel	R = 25dB	20
ASKIN® Xflam Panel	R = 25dB	23
ASKIN® Mineral Wool Panel	R = 28dB	25
ASKIN® PIR Panel	R = 24dB	21