

# R-MER Composite Wall PIR

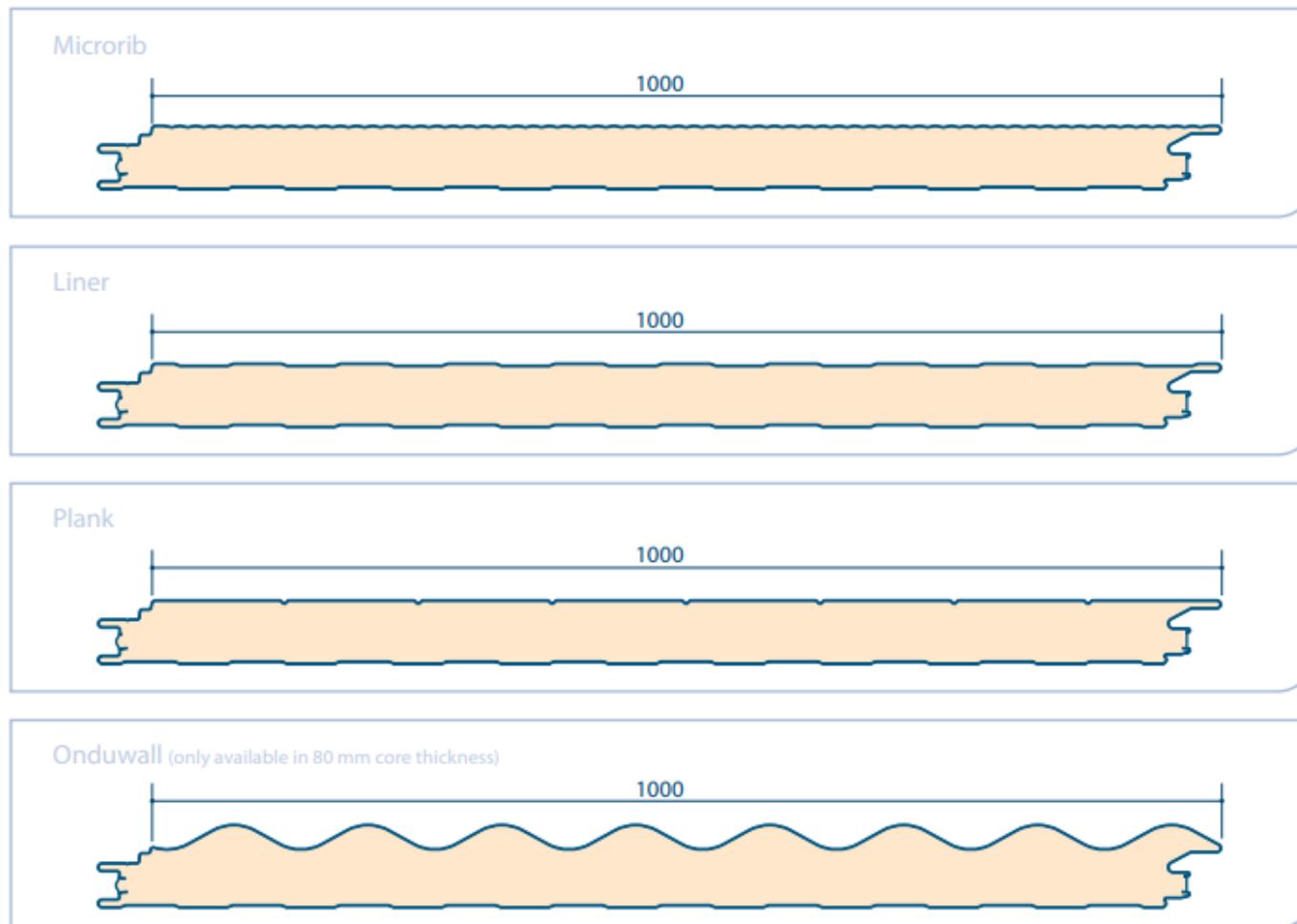
Technical Data Sheet



## Product Description.

The R-MER Composite wall SF allows for an architectural solution by combining the horizontal or vertical placed panels with accessories in different aesthetic finishes, coating and colour throughout a wide range of external profiles. In this way the building can be designed as unique in its kind.

## External Profiles



## Weight and Thermal performance

Core Thickness (mm)	60	80	100	120	150
U-value (W/m <sup>2</sup> K)	0.31	0.24	0.19	0.16	0.13
Weight (kg/m <sup>2</sup> )	11.79	12.59	13.39	14.19	15.39

U-values are calculated in according to the method required by Part L2 (England and Wales) Building Regulations and section 6 (Scotland) Technical Handbooks.



### Garland UK

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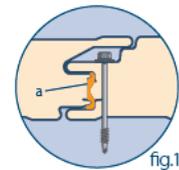


**Acoustic Performance**

Hz	125	250	500	1K	2K	4K
Sri 60mm	12	12	15	17	35	53
Sri 80mm	15	18	22	25	25	52
Sri 100mm	15	18	21	24	27	52

**Seals**

The Composite wall SF PIR panel comes standard with a factory applied seal in the side lap (fig.1, a). Additional seals might be applied on site depending on condition.



**Dimensions and Tolerances**

**Minimum length: 2.50m – Maximum length: 14m (Shorter lengths possible upon demand)**

**PRODUCT TOLERANCES (According to EN 14509)**

Length (mm)	L < 3000mm: +/- 5mm L > 3000mm: +/- 10mm
Width (mm)	+/- 2mm
Thickness (mm)	+/- 2mm

**Environmental Performance**

The panel corresponds to the BRE Global Green Guide online generic specification Coated steel composite profiled panel with pentane blown PUR/PIR insulation and steel liner on steel support, structural steel frame with no internal finish (ref. 806600001) which achieves a summary rating of A+ within external wall construction.

**Fire Performance**

The R-MER Composite wall is classified B - s2, d0 when tested to BS EN13501-1:201

**Certifications, Quality and Durability**

The R-MER Composite Wall SF is manufactured according to the ISO 9001 and are assembled from high-quality raw materials which are selected by a detailed supply chain management and in-house laboratory controls. The product is produced to the highest quality standards such as EN 14509.

The R-MER Composite Wall 1000 SF carries the product conformity according to the European legislation and therefore all packs are CE-marked and carry the Declaration of Performance.

**Accessories**



Garland can supply accessories such as repartition plates, flashings, top hats and panel bearers.



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