

R-MER Tile Composite

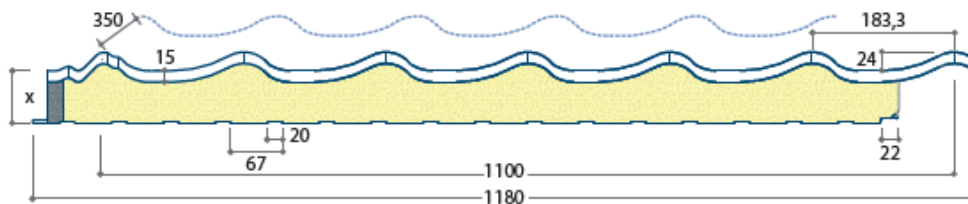
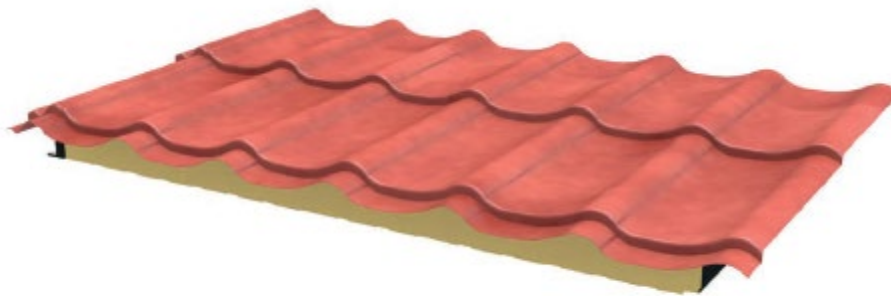
Technical Data Sheet



Product Description.

The R-MER Tile Composite is an insulated roof tile panel that combines classic aesthetics with the technology of high quality insulated PIR panels. The panel can be used for domestic, agricultural and commercial applications for roofs with a minimum pitch of 8° after deflection.

Product Illustration



Core Thickness (mm)	40	60	80	100
U-Value (W/m ² K)	0.52	0.35	0.27	0.22
Weight (Kg/m ²)	11.92	12.72	13.52	14.32
Overall Thickness (mm)	64	84	104	124

System Key Benefits

- Applicable as roof panel for renovations and new buildings.
- Easy handling, mounting, and fitting.
- Composite panel allows a faster installation time than standard built-up systems.
- The R-MER Tile Composite is CE-marked.
- Production facility is ISO 9001, ISO 14001 and ISO 18001 certified.
- am.
- Environmental sustainable PIR foam with zero ozone depletion and a low global warming potential
- Inner sheet comes as standard in 15 µ Polyester with a RAL 9002 colour.
- R-MER Tile Composite is available in lengths up to 8,4 m The minimum cut back is 100 mm.
- Matching single skin profiles in metal or polycarbonate are available.
- Wide range of colours and coatings available for top sheet according to your project



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Performance

Environmental

The R-MER Tile Composite achieves a Green Guide A+ rating as per the BRE Global 'The Green Guide to Specification', Element reference number 812550001 : Galvanised steel rafters and joists, composite profiled roof cladding (steel inner lining, pentane blown PUR/PIR insulation, coated steel outer skin). The production facility is ISO 14001 and BES 6001 certified.

Fire

The R-MER Tile Composite has a B-s2, d0 fire classification according EN 13501

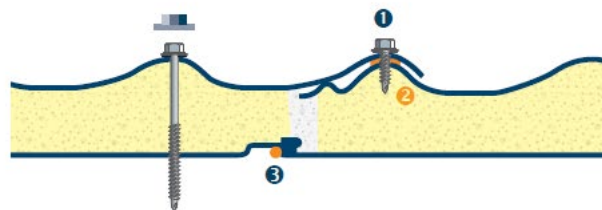
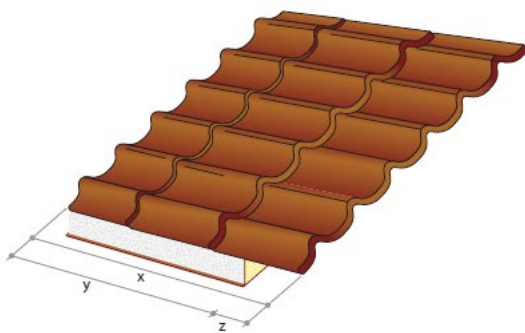
Seals

The R-MER Tile Composite comes standard with a factory seal in the side lap. An additional swelling seal needs to be placed in the joint at site. Other seals might be applied on site depending on condition

Dimensions & Tolerances

The outer sheet has a height of 24 mm and the length of one tile is 350 mm and the tiles are 183 mm wide. The useful width of the R-MER Tile Composite is 1100 mm. Minimum cutback : 100 mm – Optional : 150 mm – 200 mm Minimum length is 2100 mm – Maximum length is 8400 mm Panels can be manufactured for placing right to left only.

Dimensions	Tolerances
Length < 3000mm	±5 mm
Length > 3000mm	±10 mm
Width (mm)	±2 mm
Thickness (mm)	±2 mm



x. Length

y. Insulation length

z. End lap

1. Stitching screw

2. Butyl strip

3. Sealant



Certifications, Quality And Durability

The R-MER Tile Composite is assembled from high-quality raw materials which are selected by a detailed supply chain management and laboratory controls. The production facility is ISO 9001, ISO 14001, ISO 18001 and BES 6001 certified. The product quality standard is EN 14509. The R-MER Tile Composite 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 foam fillers, flashings, matching outer single skin sheets and integrated roof lights.



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