

SOLAR ROOF - Rock Wool

SOLAR ROOF - Rock Wool Core · NGRP5 RW

0.045

W/mK thermal conductivity

40 - 200

mm core thickness

1000

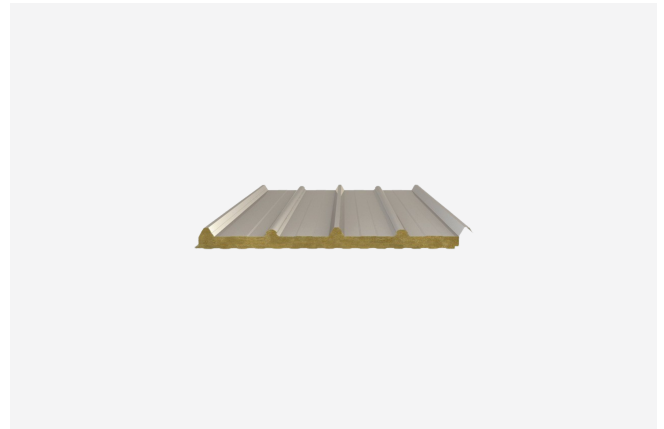
mm cover width

15.5

m maximum length

PRODUCT DESCRIPTION

SOLAR ROOF - Rock Wool is the rock wool core version of the five-rib panel for roofs where a solar plant will be installed. The fire class is A2-s1-d0 and the rib height is 37 mm.



TECHNICAL PROPERTIES

Core material	Rock wool
Fire class	A2-s1-d0
Thermal conductivity	0.045 W/mK
Core thicknesses	40 mm · 50 mm · 60 mm · 70 mm · 80 mm · 100 mm · 120 mm · 150 mm · 180 mm · 200 mm
Facing options	Polyester · PVDF · Plastisol
Steel thicknesses	0.45 mm x 0.35 mm · 0.50 mm x 0.40 mm · 0.60 mm x 0.50 mm · 0.60 mm x 0.60 mm · 0.70 mm x 0.60 mm · 0.80 mm x 0.70 mm
Company certificates	ISO 9001 · ISO 14001 · ISO 45001 · TSE · YMB · CE

DIMENSIONS

DESIGN	COVER WIDTH	THICKNESS	MAXIMUM LENGTH
5 Hadveli	1000 mm	40 - 200 mm	15.5 m

FACING MATERIAL

EN 10143 · EN 10327

FACE	MATERIAL	THICKNESS	GRADE	GALVANISING
Outer	Steel sheet	0.45 - 0.80 mm	DX 51	100 - 110 gr/m ²
Inner	Steel sheet	0.35 - 0.70 mm	DX 51	100 - 110 gr/m ²

CORE MATERIAL

TS EN 14509 · TS EN 12667 · TS EN 13501-1

MATERIAL	DENSITY	THICKNESS	THERMAL CONDUCTIVITY	FIRE CLASS
Rock wool	90-130 kg/m ³ taşıyünü	40 - 200 mm	0.045 W/mK	A2-s1-d0

COATING

	REVERSE SIDE	PRIMER	TOP COAT	TOTAL FRONT
Polyester	7 microns	5 microns	15 microns	20 microns

THERMAL TRANSMITTANCE AND WEIGHT

THICKNESS	U (W/m ² K)	WEIGHT (kg/m ²)	THICKNESS	U (W/m ² K)	WEIGHT (kg/m ²)
40 mm	0.97	11.9	100 mm	0.42	17.9
50 mm	0.80	12.9	120 mm	0.36	19.9
60 mm	0.68	13.9	150 mm	0.29	22.9
70 mm	0.59	14.9	180 mm	0.24	25.9
80 mm	0.52	15.9	200 mm	0.22	27.9

The U-value is calculated for the panel section with the surface resistances of EN ISO 6946; the fastener correction depends on the project. The weight is the nominal value for a panel with 0.50/0.50 mm steel facings.

STANDARD COLOURS



3020

5010

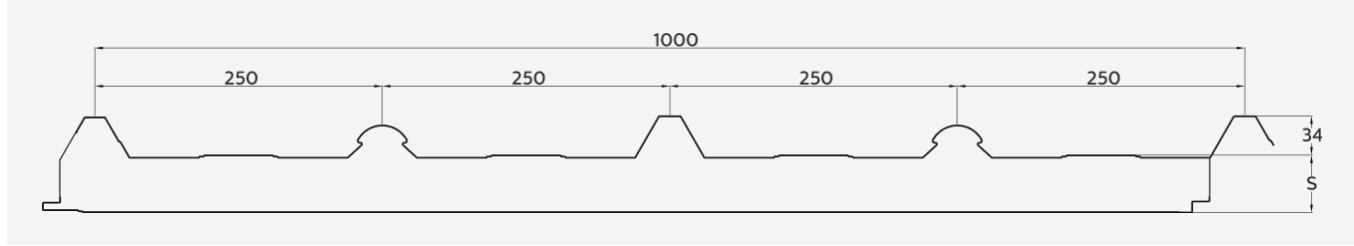
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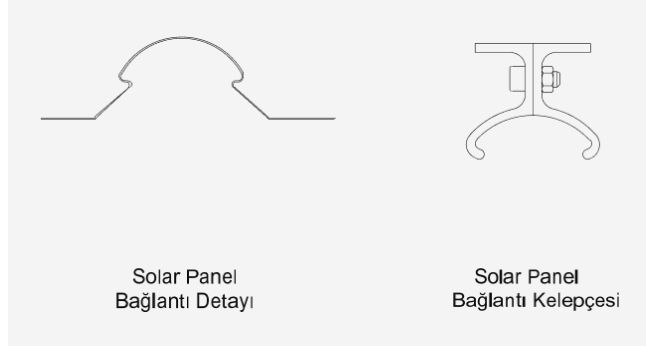
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Custom colours are produced from the RAL range.

PANEL SECTION



JOINT DETAIL



FOR INFORMATION

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Product page