

# NRP5 Rock Wool

5-Rib Rock Wool Roof Panel · NRP5-RW

**0.045**

W/mK thermal conductivity

**40 - 200**

mm core thickness

**1000**

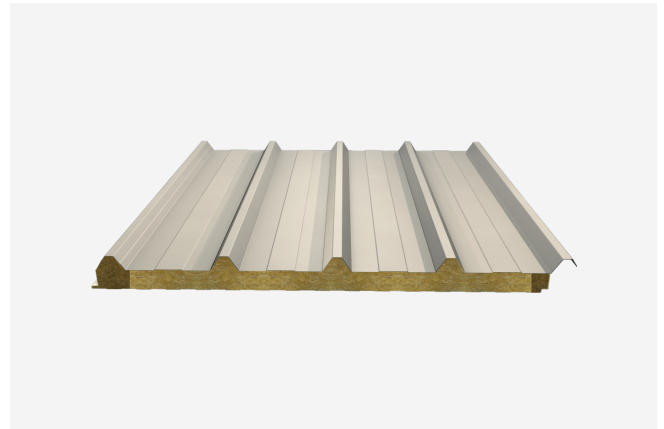
mm cover width

**15.5**

m maximum length

## PRODUCT DESCRIPTION

NRP5 Rock Wool is the rock wool core version of the five-rib roof profile. The rib height is 37 mm and the fire class is A2-s1-d0; this profile is used on wide-span roofs where the regulations require A2.



## 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 · 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 <sup>2</sup> |
| Inner | Steel sheet | 0.35 - 0.70 mm | DX 51 | 100 - 110 gr/m <sup>2</sup> |

## 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 <sup>3</sup> taşıyünü | 40 - 200 mm | 0.045 W/mK           | A2-s1-d0   |

## COATING

|           | REVERSE SIDE | PRIMER    | TOP COAT   | TOTAL FRONT |
|-----------|--------------|-----------|------------|-------------|
| Polyester | 7 microns    | 5 microns | 20 microns | 25 microns  |

## THERMAL TRANSMITTANCE AND WEIGHT

| THICKNESS | U (W/m <sup>2</sup> K) | WEIGHT (kg/m <sup>2</sup> ) | THICKNESS | U (W/m <sup>2</sup> K) | WEIGHT (kg/m <sup>2</sup> ) |
|-----------|------------------------|-----------------------------|-----------|------------------------|-----------------------------|
| 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                        | 200 mm    | 0.22                   | 27.9                        |
| 80 mm     | 0.52                   | 15.9                        |           |                        |                             |

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

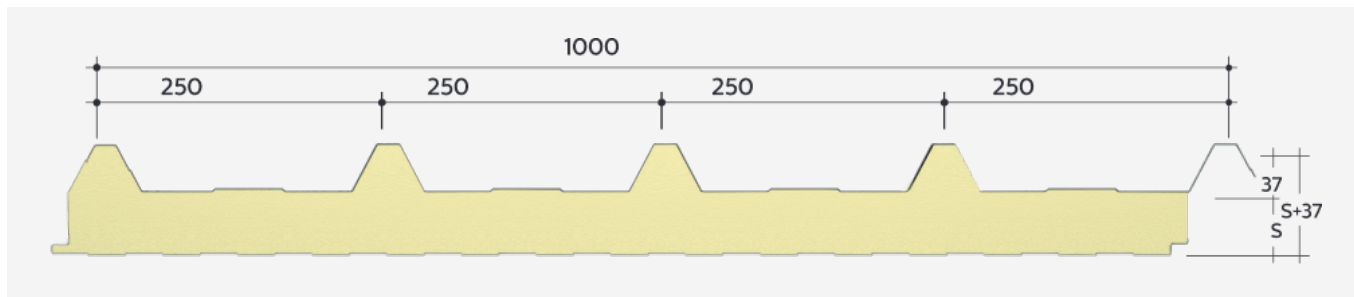
7016

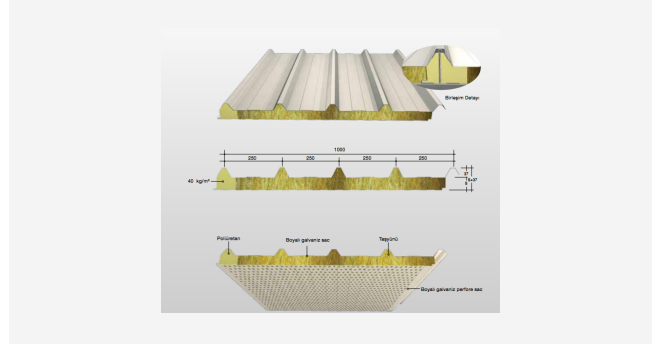
9002

9006

Custom colours are produced from the RAL range.

## PANEL SECTION



**JOINT DETAIL****TECHNICAL DRAWING****FOR INFORMATION**

[www.nuhpanel.com.tr](http://www.nuhpanel.com.tr)

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