

# NRP3 Hybrid

3-Rib Roof Panel - Hybrid · NRP3-H

0.045

W/mK thermal conductivity

40 - 120

mm core thickness

1000

mm cover width

15.5

m maximum length

## PRODUCT DESCRIPTION

NRP3 Hybrid is the hybrid-core version of the three-rib roof profile. The core is rock wool based and carries polyurethane strips along its edges: the strip holds the screw seat tight and makes the panel somewhat lighter.



## TECHNICAL PROPERTIES

|                      |                                                                                                                       |
|----------------------|-----------------------------------------------------------------------------------------------------------------------|
| Core material        | Hybrid                                                                                                                |
| 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                                                               |
| Facing options       | Polyester                                                                                                             |
| 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 |
|-----------|-------------|-------------|----------------|
| 3 Hadveli | 1000 mm     | 40 - 120 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 |
|----------|-----------------------------------|-------------|----------------------|------------|
| Hybrid   | 90-130 kg/m <sup>3</sup> taşıyünü | 40 - 120 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 <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                   | 11.6                        | 80 mm     | 0.52                   | 15.4                        |
| 50 mm     | 0.80                   | 12.6                        | 100 mm    | 0.42                   | 17.3                        |
| 60 mm     | 0.68                   | 13.5                        | 120 mm    | 0.36                   | 19.1                        |
| 70 mm     | 0.59                   | 14.4                        |           |                        |                             |

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

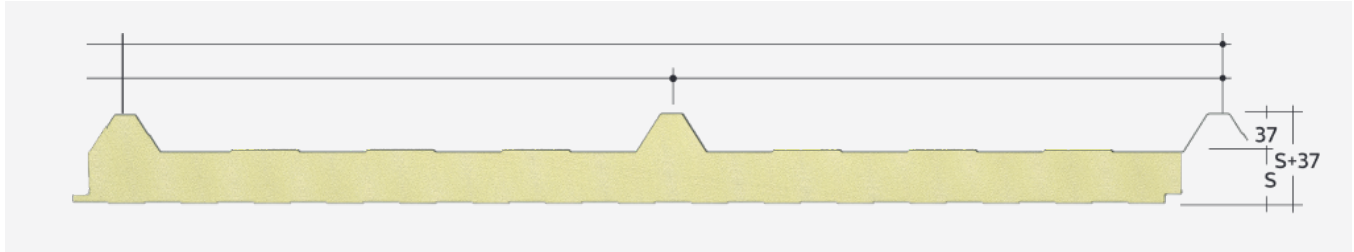
7016

9002

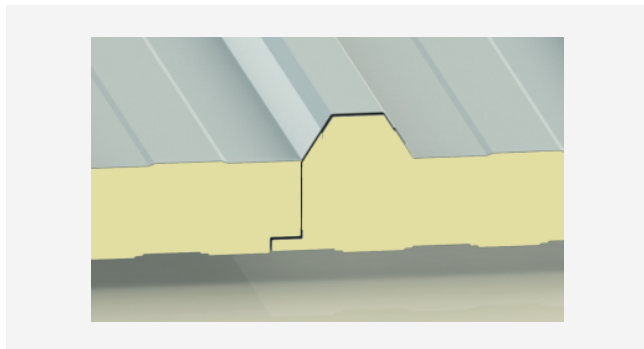
9006

Custom colours are produced from the RAL range.

## PANEL SECTION



## JOINT DETAIL



## FOR INFORMATION

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

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This technical data sheet has been prepared according to the current technical information and standards of Nuhpanel Yapı Elemanları Sanayi Ticaret A.Ş. (Gebze, Kocaeli). The right to make technical changes is reserved.



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