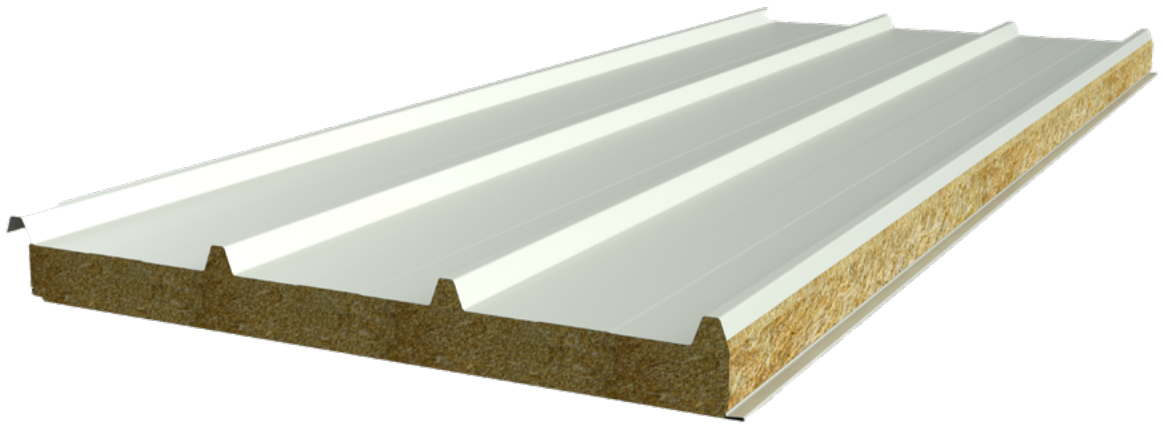


# CUBIGREC ROC

MINERAL WOOL INSULATING PANEL  
FOR ROOFS



- Ideal solution for roofs in building sector, industrial installations, agricultural sector.
- Highly customisable panel (two possible types of core, various steel thicknesses, various finish options).
- Rigid mineral wool insulation core with high thermal performance (thermal transmittance of 0.40 W/m<sup>2</sup>K for the LL LD 100 mm thick panel).



**TECZONE**

# CUBIGREC ROC Mineral wool panel

## DESCRIPTION AND APPLICATIONS

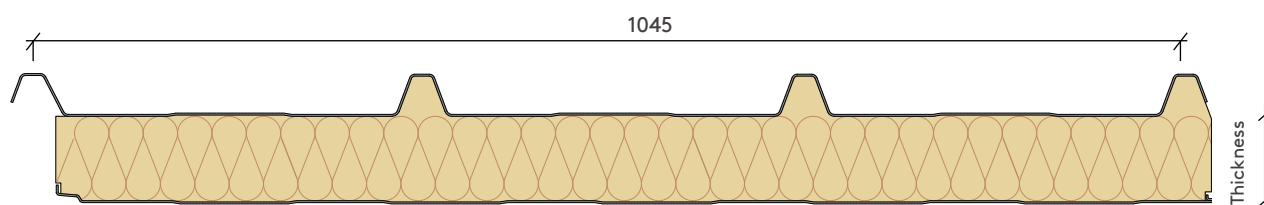
Insulating sandwich panel for roofs with a mineral wool core and exterior faces of structural steel sheets.

Highly customisable panel, with three types of core (LL LD, LL HD or LL HD STD), sheet thicknesses of 0.5 or 0.6 mm, and profiled (standard) or flat finish.

Cubigrec Roc is available with certified fire resistance up to 120 minutes (REI 120) without additional sealing at the joint for 100 mm thick LL HD core panels. Please refer to this document for all possible classifications by thickness type.



## TECHNICAL FEATURES



|                                    |                        |                                                                                               |       |       |                      |
|------------------------------------|------------------------|-----------------------------------------------------------------------------------------------|-------|-------|----------------------|
| Useful width                       |                        | 1,045 mm                                                                                      |       |       |                      |
| Core density                       |                        | LL LD: 90 kg/m <sup>3</sup>   LL HD: 120 kg/m <sup>3</sup>   LL HD STD: 120 kg/m <sup>3</sup> |       |       |                      |
| Manufacturing length               |                        | From 1.80 to 12.50 m                                                                          |       |       |                      |
| Panel thickness <sup>2</sup>       |                        | 60                                                                                            | 80    | 100   | (mm)                 |
| Self-weight <sup>1</sup>           | LL LD core             | 14.67                                                                                         | 16.47 | 18.27 | (kg/m <sup>2</sup> ) |
|                                    | LL HD STD / LL HD core | 16.55                                                                                         | 18.95 | 21.35 |                      |
| Thermal transmittance <sup>1</sup> | LL LD core             | 0.65                                                                                          | 0.49  | 0.40  | (W/m <sup>2</sup> K) |
|                                    | LL HD STD / LL HD core | 0.70                                                                                          | 0.53  | 0.43  |                      |

(1) Considering sheets of thickness 0.5/0.5mm (int/ext).

(2) Other thicknesses available on request.

# Mineral wool panel **CUBIGREC ROC**

## CERTIFICATIONS AND APPLICABLE REGULATIONS

### Reaction-to-fire classification

The Cubigrec Roc LL (LD, HD and HD STD) panel has the reaction to fire classification A2 - s1, d0 according to EN 13501-1:2018 (Euroclasses). Test carried out with perimeter profile. In the case of external reaction to fire, the Cubigrec Roc LL (LD, HD and HD STD) panel has the classification Broof (t1), Broof (t2), Broof (t3)\* according to Decision 2006/600/CE.

\*At each transverse joint between two panels, the overlap of the external metal cladding must be a minimum of 75 mm.

### Fire resistance

The Cubigrec Roc LL HD panel offers a very good fire performance with a fire resistance of up to 120 minutes of insulation and integrity without the need for additional sealing at the joint. Please consult our technical department for more information.

|              | Core      | Panel thicknesses     |                       |                        |
|--------------|-----------|-----------------------|-----------------------|------------------------|
|              |           | 60                    | 80                    | 100                    |
| Cubigrec Roc | LL LD     | -                     | -                     | -                      |
|              | LL HD     | REI 30 <sup>(1)</sup> | REI 60 <sup>(1)</sup> | REI 120 <sup>(1)</sup> |
|              | LL HD STD | -                     | -                     | -                      |

(1) Tested according to EN 1365-2:2014 with span 1.4 m, classified according to EN 13501-2:2023. Direct field of application of the test results of the Cubigrec Roc LL HD panel with 0.5 mm steel sheets. See installation conditions.

### Implementing legislation

Hot dip galvanised sheet metal according to EN 10346 and organic coatings according to EN 10169.

### Product certificate

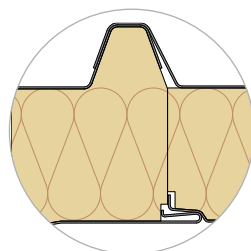
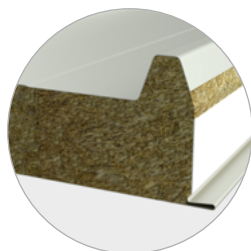
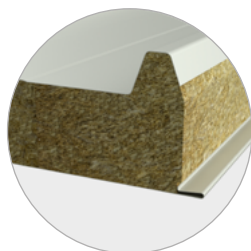


CE marked according to EN 14509:2013.

## COMPONENTS

### Joint with longitudinal overlap

Longitudinal lap joint design for quick assembly. For fire-resistant solutions, the joint includes an intumescent strip.



Cubigrec Roc LL LD  
Cubigrec Roc LL HD STD

Cubigrec Roc LL HD  
(Intumescent strip included)

### Insulating core

Mineral wool with density 90 kg/m<sup>3</sup> (LL LD) or 120 kg/m<sup>3</sup> (LL HD / LL HD STD).

### Panel facings

Cold profiled sheet made from pre-lacquered steel coil with sheet thicknesses of 0.5mm or 0.6mm, for the exterior or interior face.

# CUBIGREC ROC Mineral wool panel

## FINISHES

### Finishing options (inner face)

Manufactured with two inner profiling options: flat finish and profiled finish (standard).

### Transverse overlap pre-cut

The transverse pre-cut made at the factory can be requested for an easier overlap between panels on-site.

### Coatings

The metal exterior faces of the panel are available in various colors and highly durable coatings: PET, PVC, PVDF, HDX. Other finishes upon request.



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