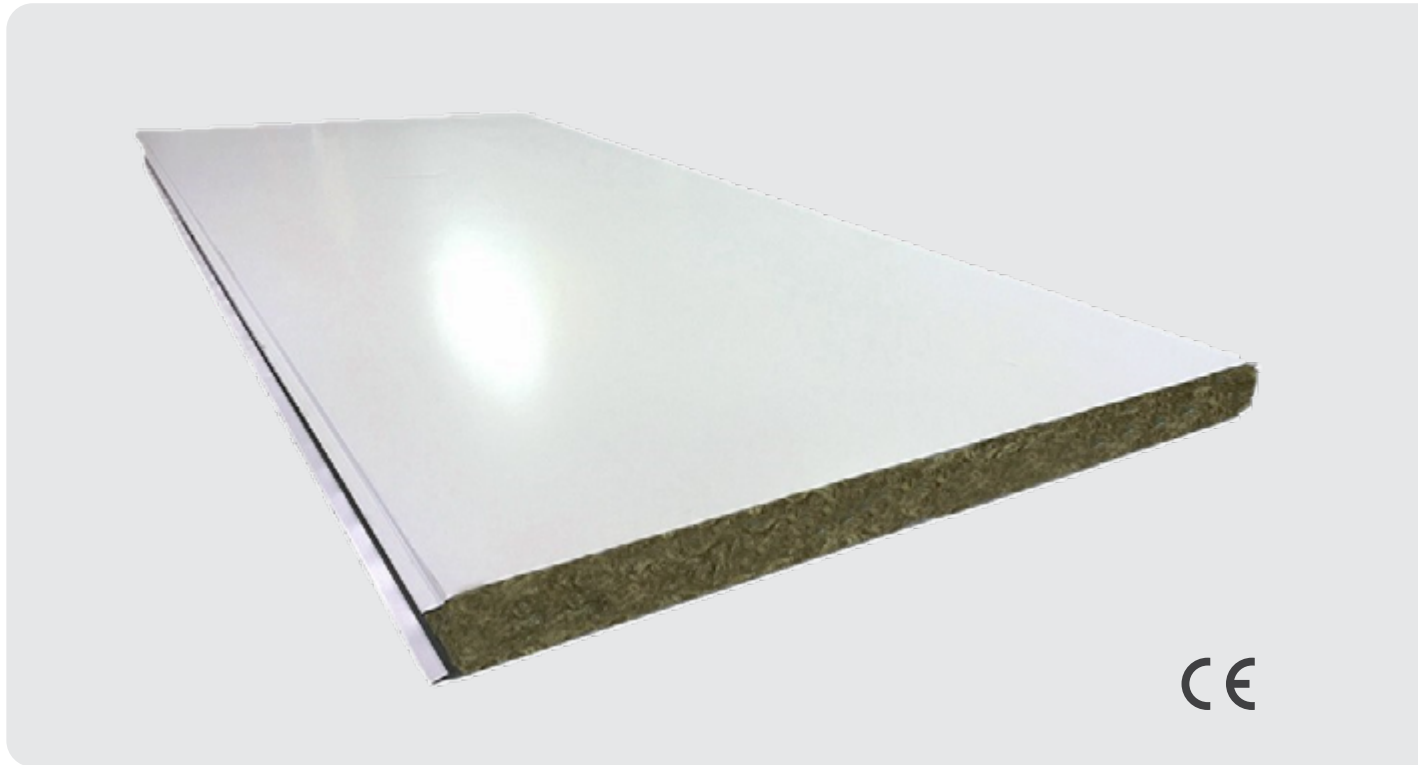


Modulpan Roc

Mineral wool insulating panel for sectorization



- Ideal solution for fire compartmentation applications in the construction sector, industrial installations, the food industry and refrigeration installations.
- Suitable for ceilings and interior partitions.
- Highly customisable panel (two possible core types, various sheet thicknesses, various profiling options, etc.).
- Rigid rock wool insulation core with high thermal performance (thermal transmittance of $0.26 \text{ W/m}^2\text{K}$ for the 150 mm thick LR LD core panel).

Modulpan Roc

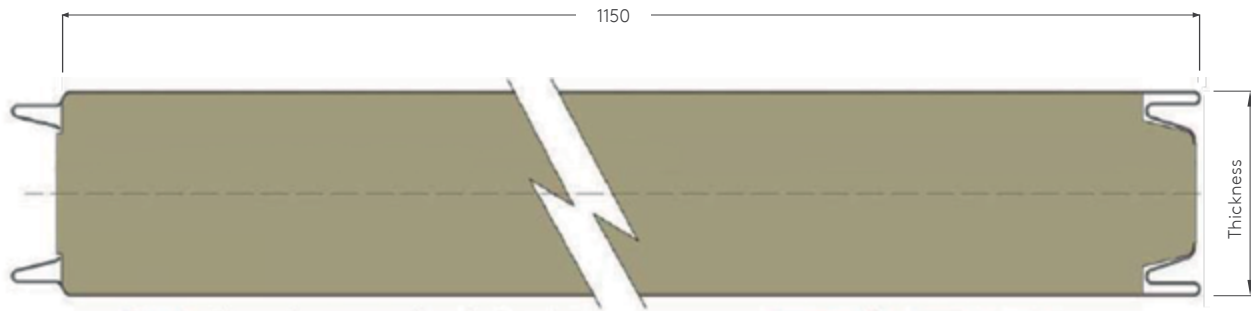


Description and applications

- Insulating sandwich panel for walls and ceilings with mineral wool core and pre-painted steel faces.
- Highly customisable panel, with two types of core ((LR LD o LR HD)), sheet thicknesses between 0.5 and 0.8 mm, various profiling options, etc.
- Within the range of panels, the Modulpan Roc model is designed for fire compartmentation applications where high fire resistance is required. Fire resistance certifications are available up to 240 minutes (EI 240) for panels with a thickness of 120 mm or more. Please refer to this document for all possible certifications by thickness.



Technical features



Useful width	1,150 mm						
Insulating core	Mineral Wool						
Core density	LR LD: 130 kg/m ³ LR HD: 150 kg/m ³						
Panel thickness (mm)	50	60	80	100	120	150	
Self-weight ⁽¹⁾ (kg/ml)	LR LD Core	15.99	16.29	18.89	21.49	24.09	27.99
	LR HD Core	15.95	17.45	20.45	23.45	26.45	-
Thermal transmittance ⁽¹⁾ (W/m².K)	LR LD Core	0.77	0.63	0.47	0.38	0.32	0.26
	LR HD Core	0.80	0.66	0.50	0.40	0.33	-

(1) Considering plates of thickness 0,5 mm.

Modulpan Roc



Certifications and applicable regulations

Reaction to fire classification

The Modulpan Roc range has the reaction to fire classification A2 - s1, d0 according to EN 13501-1:2018 (Euroclasses).

Fire resistance

The Modulpan Roc panel offers a very good fire performance with a very good fire resistance up to 4 hours of insulation and integrity.

		Panel thicknesses					
		50	60	80	100	120	150
Modulpan Roc Base	Assembly condition	-	-	-	-	-	-
Modulpan Roc	Walls⁽¹⁾	-	EI 60	EI 60	EI 180	EI 240	EI 240
	Ceilings⁽²⁾	-	-	-	REI 120	-	-

(1) Direct field of application of test results for LR LD and LR HD cores. Walls with vertical mounting. According to EN 1364-1. Exap on request.

(2) Direct field of application of test results for LR LD and 0.5 mm steel sheet. Maximum support distance 2100 mm. According to EN 1365-2.

Implementing regulations raw material

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

CE marking



CE marked in accordance with EN 14509:2013.

Modulpan Roc



Panel components

Insulating core

- Rock wool of density 130 kg/m³ (LR LD) or 150 kg/m³ (LR HD).

External faces

- Cold-formed sheet from pre-painted, galvanised or stainless steel coil, sheet thicknesses between 0.5 mm and 0.8 mm.

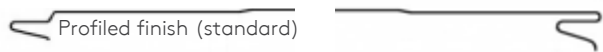
Tongue and groove joint

Double tongue and groove joint with high depth and easy assembly.



Finishes

Profiling options



Available coatings

The outer steel faces of the panel are available in various colours and highly durable coatings: PET, PVC, PVDF, HDX.



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