

# MODULPAN ROC

MINERAL WOOL INSULATING PANEL  
FOR SECTORISATION



- Modulpan Roc LL HD offers the ideal solution for fire compartmentation applications in the building sector, industrial installations, food industry and refrigeration installations.
- Suitable for ceilings and internal partitions.
- Highly customisable panel (two possible core types, various sheet thicknesses, various profiling options, etc.).
- Rigid mineral wool insulation core with high thermal performance (thermal transmittance of 0.40 W/m<sup>2</sup>K for the 100 mm thick LL LD core panel).



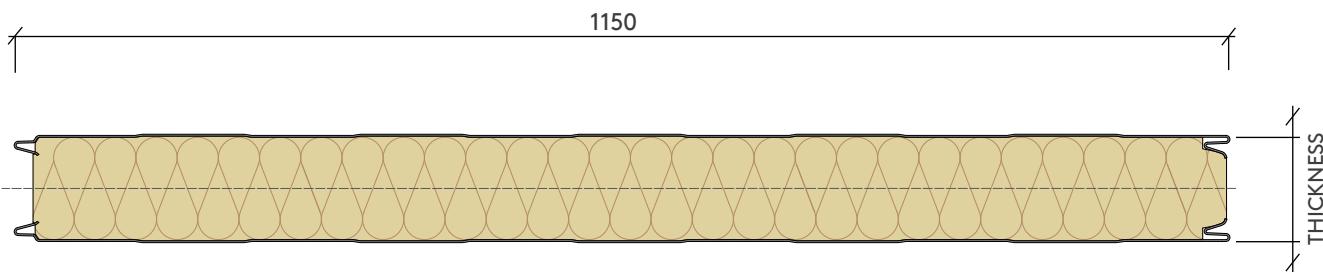
# MODULPAN ROC Mineral wool panel

## DESCRIPTION AND APPLICATIONS

- Insulating sandwich panel for walls and ceilings with mineral wool core and pre-painted steel faces.
- Highly customisable panel, with three types of core (LL LD, LL HD or LL HD STD), 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. The fire resistance are available up to up to 120 minutes (EI 120) without additional sealing at the joint for LL HD core panels with a thickness of 100mm. Please refer to this document for all possible classifications by thickness type.



## TECHNICAL FEATURES



<b>Useful width</b>	1,150 mm			
<b>Insulating core</b>	Mineral Wool			
<b>Core density</b>	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>			
<b>Manufacturing lenght</b>	from 1.8 to 12.5 m			
<b>Panel thickness <sup>(2)</sup></b>	60	80	100	(mm)
<b>Self-weight <sup>(1)</sup></b>	LL LD Core	13.95	15.75	17.55
	LL HD / LL HD STD Core	15.70	18.10	20.50
<b>Thermal transmittance <sup>(1)</sup></b>	LL LD Core	0.66	0.50	0.40
	LL HD / LL HD STD Core	0.72	0.54	0.43

(1) Considering sheets of thickness 0.5 mm.

(2) Other thicknesses available on request.

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## CERTIFICATIONS AND APPLICABLE REGULATIONS

### Reaction to fire classification

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

### Fire resistance

The Modulpan Roc LL HD panel offers very good fire performance with a fire resistance up to 120 minutes of insulation and integrity without the need for additional sealing at the joint.

	Core	Panel thicknesses		
		60	80	100
Modulpan Roc	LL LD	-	-	-
	LL HD	Vertical wall EI 30 <sup>(1)</sup>	EI 60 <sup>(1)</sup>	EI 120 <sup>(1)</sup>
		False ceiling -	-	EI 60 <sup>(2)</sup>
LL HD STD				

(1) Tested according to EN 1364-1:2015, classified according to EN 13501-2:2023. Direct field of application of the test results of the test results of the Modulpan Roc LL HD panel with vertical joint. See installation conditions and EXAP.

(2) Tested under standard EN 1364-2: 2018, classified according to standard EN 13501-2:2023. Direct field application of the test results for the Modulpan Roc LL HD panel with a load-bearing capacity of 0.5 units/m<sup>2</sup>.

### Implementing legislation

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

### Product certification



CE marked according to EN 14509:2013.

## COMPONENTS

### Tongue and groove joint

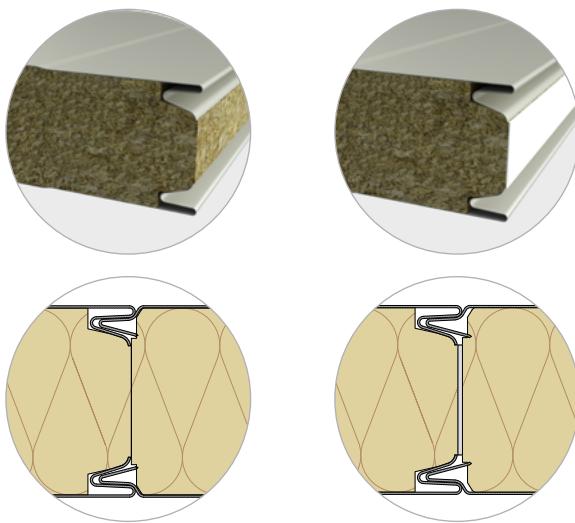
Double tongue and groove joint with high depth and easy assembly. For fire-resistant solutions, the joint includes an intumescence strip.

### Insulating core

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

### Steel faces

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



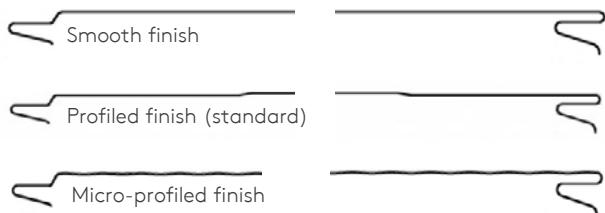
Modulpan Roc LL LD  
Modulpan Roc LL HD STD

Modulpan Roc LL HD  
(Intumescence strip included)

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## 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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