

LRA Mineral wool acoustic panel

Acoustic insulating panel for walls and ceilings



Description and applications

Sandwich panel with mineral wool core and surfaces of prelaquered galvanised steel, with one of the two metal faces perforated.

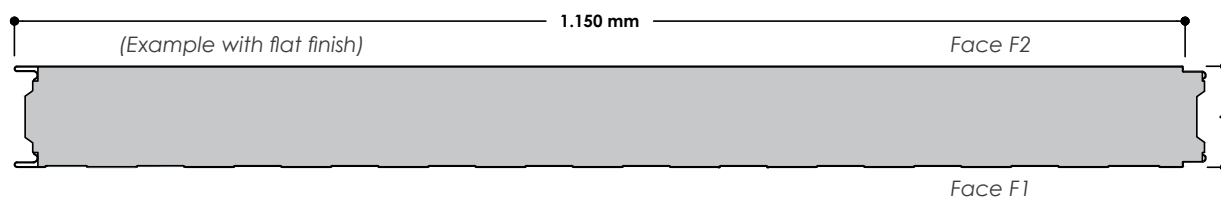
Designed for applications where sound insulation and/or sound absorption is required.

Applications: soundproofing for commercial premises, offices, industrial premises, acoustic booths, etc.

The LRA panels can be used both in partition walls and ceilings.



Manufacturing features



Useful width	1,150 mm			
Minimum length	2.0 m			
Insulating core density	120 kg/m ³			
Maximum manufacturing length	12.5 m			
Thickness (A)	80	100	150	mm
Mass ¹	17.40	19.80	25.80	kg/m ²

(1) Calculated for sheet thickness 0.5/0.5 mm (int/ext). Consult for other options.

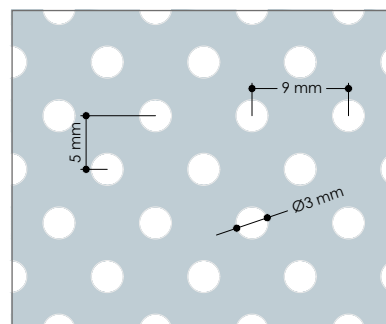
Panel facings

Structural steel facing, cold-profiled from high quality certified hot galvanised steel coil, according to standard EN 10346. Finishing options: standard or Flat profiled.

Face F1: Steel sheet of 0,50 mm thick, with white 25 μ polyester coating.

Face F2: 0.50 mm thick steel sheet with R3T5 perforations (3mm diameter, 33% perforated area), white color* with 25 μ polyester coating. A white glass veil is placed between the mineral wool core and the steel sheet.

(*) Check other available colors



Insulating core

Mineral wool insulating material in the form of lamellae, arranged perpendicular to the panel surface in order to improve the mechanical properties of the panel.

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Acoustic properties

Acoustic insulation	Global weighted sound reduction index A (R_A)	32.1 dBA
According to EN ISO 10140-2:2011	Weighted index of sound reduction (R_w)	33 dB
Acoustic absorption	Sabine weighted sound absorption coefficient (α_w)	0.95
According to EN ISO 354:2004	Acoustic absorption class	A

Check applying assembly conditions

Tables of maximum spans (m)

The following tables indicate the maximum distance between supports L (m) according to the panel thickness (mm) and the evenly distributed loads at pressure (daN/m²).

TWO SUPPORTS	Thickness	Load (daN/m ²)			
		60	80	100	120
L (m)	80 mm	2.1	1.8	1.6	1.3
	100 mm	2.3	2.0	1.8	1.6
	150 mm	2.8	2.5	2.2	2.0

THREE SUPPORTS	Thickness	Load (daN/m ²)			
		60	80	100	120
L (m)	80 mm	2.5	2.1	1.9	1.7
	100 mm	2.7	2.4	2.1	1.9
	150 mm	3.1	2.7	2.4	2.2

The values shown are taken from the LR HUURRE Panel allowable load tables, with unperforated sheet (See technical sheet IT-GC 329) and applying a safety factor of 2.

Additional features

Sustainability

Both the steel and their metallic and organic coatings are free of SVHC (Substances of Very High Concern), in conformity with the requirements of the European REACH regulation.

Guaranteed and certified quality

HUURRE's Integrated Quality Management System, in accordance with ISO 9001, is certified by AENOR and IQNet (certificate ER-0947/1998).

HUURRE's Environmental Management System, in accordance with ISO 14001, and the Occupational Health and Safety System, in accordance with ISO 45001, are certified by AENOR and IQNet (certificates GA2003/0091 and ES-SST-0035/2010 respectively).

The Compliance Management System, in accordance with ISO 37301:2021, is certified by Advanced Certification Ltd.



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