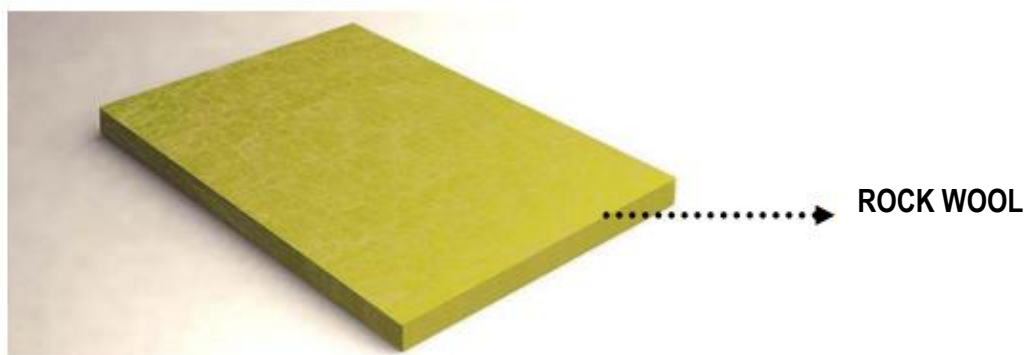


DESCRIPTION

Rigid high-density panel, made of water-repellent rock wool, uncoated. Of 150 kg/m³ of nominal density. With non-weldable finish.



TECHNICAL FEATURES

FEATURE	Standard UNE EN	Unit	N 150/4	N 150/5	N 150/6	N 150/8	N 150/10	
Declared thermal conductivity (λ). At 10 °C	UNE-EN 12667/12939	W/m K	0,038					
Declared thermal resistance (R_D). A 10 °C		m ² K/W	1,05	1,30	1,55	2,10	2,60	
Thickness. (Tolerance \pm 3 mm) Class T5	UNE-EN 822/3	mm	40	50	60	80	100	
Length. (Tolerance \pm 2 %)	UNE-EN 822/3	mm	1.200					
Width. (Tolerance \pm 1,5 %)	UNE-EN 822/3	mm	1.000					
Squad. (Length / Width deviation)	UNE-EN 824	--	<5 mm/m					
Flatness (Arrow)	UNE-EN 825	--	\leq 6 mm					
Dimensional stability (23 °C/90 % HR) y (70 °C/50 % HR)	UNE-EN 1604	%	Width ($\Delta\epsilon$) Length ($\Delta\epsilon_c$) \leq 0,0					
Tensile strength parallel to faces	UNE-EN 1608	kPa	160					
Tensile strength perpendicular to faces	UNE-EN 1607	kPa	\geq 7.5					
Compression tension (σ_{10})	UNE-EN 826	kPa	\geq 50					
Deformation on point load	UNE-EN 12430	N	\geq 450 N					

Behavior towards water/humidity: Product that repels water, non-hygroscopic and with zero capillarity.

Water absorption (By partial immersion) (Ws)	UNE-EN 1609	kg/m ²	\leq 1
Water vapor diffusion factor (μ)	BS 2972	--	1,3

Reaction to fire (Classification according to "Euroclasses")	UNE-EN 13501 / EN ISO1182	--	Euroclass A1. NON-COMBUSTIBLE
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PRODUCT WITH CE MARK. UNE-EN 13162. MW EN 13162 -T5 -Ws

Provided information corresponds to data obtained in our own laboratories. This product will maintain these characteristics on average. ChovA, S.A. reserves the right to modify or cancel any parameter without notice. ChovA, S.A guarantee is only applying to the product quality.

As for commissioning work, which do not participate, they must also meet the waterproofing requirements for the implementation, specified in the applied rules, both in membrane composition and fulfillment them. This technical data sheet will be void by subsequent revisions and, if in doubt, apply the latest revision.



Acoustic behavior

Provides a notable attenuation to airborne and impact noise, especially on deck.

Acoustic absorption coefficient, α_S , for 50 mm thick panel. EN ISO 20354.

F (Hz)	100	125	160	200	250	315	400	500	630
α_S	0,08	0,15	0,29	0,55	0,67	0,85	0,99	1,08	1,13

F (Hz)	800	1000	1250	1600	2000	2500	3150	4000	5000
α_S	1,20	1,18	1,10	1,16	1,03	1,06	1,02	1,02	0,96

Equivalent absorption area, $\alpha_w = 0,75$ MHz. (Class C). EN ISO/DIS 11654

Chemical behavior

Rock wool fibers are chemically neutral, have a pH=7, do not react with acids or alkalis.

Biological behavior

Inorganic fibers, not being an environment conducive to the proliferation of fungi, parasites or other microorganisms.

Applications

Thermal and acoustic insulation for metal roofs, deck, and concrete, roofs and other non-passable roofs. Mechanically fixed to the support.

Use as an insulation layer, in a light, non-walkable roof, in one or more layers of insulating panels (*) mechanically fixed to the support, and finished with waterproofing membranes of modified asphalt bitumen (LBM) mechanically fixed on the non-weldable panel, type LAROC N 150 /, or heat bonded to the weldable panel, type LAROC S 150/ .

() In the case of applying more than one layer of insulation, the rock wool panels of the upper layer must be weldable when heat-welded modified bitumen sheets (LBM) are applied on the asphalt bitumen layer of the insulation, type LAROC S 150 /. When the upper layer is non-weldable or not coated with asphalt bitumen, type LAROC N 150 /, the LBM sheets must be mechanically fixed according to the provisions of our DIT POLITABER FM MONOCAPA or BICAPA, available at www.chova.com. The base or intermediate insulation layers will be of the LAROC N 150 / type for heat applications or mechanically fixed.*

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