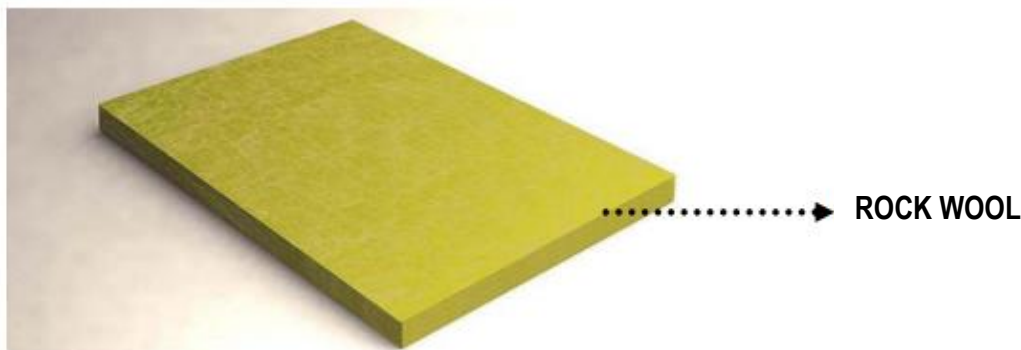


### DESCRIPTION

Rigid high-density panel, made of water-repellent rock wool, uncoated. Of 175 kg/m<sup>3</sup> of nominal density.



### TECHNICAL FEATURES

FEATURE	Standard UNE EN	Unit	N 175/4	N 175/5	N 175/6	N 175/8	N 175/10
Declared thermal conductivity ( $\lambda$ ). At 10 °C	UNE-EN 12667/12939	W/m K	0,038				
Declared thermal resistance (R <sub>D</sub> ). At 10 °C	UNE-EN 822/3	m <sup>2</sup> 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) and (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	170				
Tensile strength perpendicular to faces	UNE-EN 1607	kPa	$\geq$ 15				
Compression tension ( $\sigma_{10}$ )	UNE-EN 826	kPa	$\geq$ 75				
Deformation on point load	UNE-EN 12430	N	$\geq$ 950 N				

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

Water absorption (By partial immersion) (W <sub>s</sub> )	UNE-EN 1609	kg/m <sup>2</sup>	$\leq$ 1
Water vapor diffusion factor ( $\mu$ )	BS 2972	--	1,3

Reaction to fire (Classification according to "Euroclasses")	UNE-EN 13501 / EN ISO1182	--	Euroclass <b>A1. NON-COMBUSTIBLE</b>
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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.



**ChovA**  
SISTEMAS DE IMPERMEABILIZACIÓN  
Y AISLAMIENTO

# LAROC N 175/

NON-WELDING ROCK WOOL INSULATING PANELS

TECHNICAL FILE Nº 81473 - REVIEW 01/20 – DATE: 25/09/2020

## Acoustic behavior

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

Acoustic absorption coefficient,  $\alpha_S$ , for 50 mm thick panel. EN ISO 20354.

F (Hz)	100	125	160	200	250	315	400	500	630
$\alpha_S$	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
$\alpha_S$	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 outer layer, in a light roof, in one or more layers of insulating panels (\*) mechanically fixed to the support, and finished with waterproofing membranes of modified asphalt bitumen (LBM) adhered to the weldable panel.

**Note:** This product complies with the requirements of the UNE 104401: 2013 (\*\*), section 5.2.1.2.1. Where a compressive strength ( $\sigma_{10}$ ) of 60 kPa is required for:

- Non-passable flat roof, conventional type
- Non-passable sloping roof, conventional type

(\*) In case of applying more than one layer of insulation, only the upper one should be weldable, for this type of use. The lower layers may or may not contain the asphalt bitumen layer.

(\*\*) UNE 104401: 2013. Waterproofing in buildings above and below grade with modified bituminous sheets. Systems and implementation.

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