



AIREK ECOWOOD

AIREK_ECOWOOD is a ventilated panel which guarantees the respect of D. Lgs. 311/06 about the energy saving in buildings; it is self- extinguishable because it avoids the propagation in case of fire; it is battened on each side and, thanks to its own configuration, it is very easy laying.

It is composed of an insulating layer in high density wood fibre D. 190 kg/mc, coupled with a wooden panel OSB with interposed wood strips that create an adequate layer of ventilation. AIREK_ECOWOOD is totally composed of natural materials, and it can be used for the insulation of inclined pitch covering of inhabited garrets; it is fastened to the surface with two mechanical fixing per metre, guaranteed by law.

It ensures a good thermal and acoustic insulation and a consequent energy saving in terms of heating during the winter, and an excellent cooling in summer.

AIREK_ECO WOOD	LENGTH [mm]	1200
	WIDTH [mm]	600
	TOTAL THICKNESS [mm]	130 / 150 /170/190 /210/230/250
	DENSITY' [Kg/mc]	190
OSB	THICKNESS [mm]	9,5 / 12
WOOD FIBRE	THICKNESS [mm]	80/100/120/140/160/180/200
VENTILATION	THICKNESS [mm]	40



CARACTERISTICS OF THE WOOD FIBER PANEL

	NORM	190 Kg/mc
THERMAL CONDUCTIVITY: λ [W/Mk]	EN 12667	0,042
RESISTANCE TO COMPRESSION [Kpa]	EN 826	70
PERMEABILITY TO STEAM $[\mu]$	EN 12086	5
REACTION TO FIRE: Euroclass	EN 13501/1	E
THERMAL STORAGE CAPACITY OF THE MASS	EN 13786	2100 J/(kg* K)



CARACTERISTICS OF THE OSB PANEL

DENSITY	EN 323	Kg/mc	600
PERMEABILITY TO STEAM	DIN 52615	μ	300-500
THERMAL CONDUCTIVITY	DIN 52612	W/mK	0,12

THERMAL AND ACOUSTIC VALUES

WOOD FIBRE (mm)	AIR CHANNEL (mm)	OSB (mm)	TOTAL THICKNESS (mm)	TRASMSSION U (W/mqK)	THERMAL PHASE SHIFT (Hours)	ACOUSTIC INSULATION OF ROOF Rw,R [dB]
80	40	12	130	0,44	8,1	38
100	40	12	150	0,36	9,5	38
120	40	12	170	0,31	10,9	40
140	40	12	190	0,26	12,4	40
160	40	12	210	0,23	13,8	42
180	40	12	230	0,21	15,3	42
200	40	12	250	0,19	16,7	43

THE PRODUCT IS DELIVERED IN PACKAGES OF THESE SIZES

THICKNESS TOT.	Nr. Panels/pack	Mq / pack	SIZE OF THE PACK
mm. 130	20	14,40	mm. 1200 x 1200 x 1350
mm. 150	16	11,52	mm. 1200 x 1200 x 1250
mm. 170	14	10,08	mm. 1200 x 1200 x 1240
mm. 190	12	8,64	mm. 1200 x 1200 x 1190
mm. 210	12	8,64	mm. 1200 x 1200 x 1310
mm. 230	10	7,20	mm. 1200 x 1200 x 1200

ITEM OF SPECIFICATION

- AIREK_ECOWOOD

For thermo acoustic insulation and ventilation of the covering, it will be used panels AIREK_ECOWOOD, produced by RE.PACK, in wood fibre Density 190 kg/mc treated with paraffins and water-repellent natural materials, self-extinguishable, reaction to fire class "E" pre-joined with OSB panels with thickness...

With interposed wooden strips to guarantee ventilation.

Size of the panels cm 120x60

Insulation layer cm

Air channel cm ...

The roofing system made from ventilated panels AIREK_ECOWOOD will be waterproofed with adequate breathable membrane supplied by RE.PACK.

All the accessories needed to complete the coverage will be provided by RE.PACK

Aggiornamento : 18/01/2016