

Technical Data

Soundproofing ecological insulation panels



SONOclimat ECO4 panel that gives you the most!

In addition to its value R4, it offers a wind bracing and superior rigidity for your walls, plus a maximum soundproofing.

SONOclimat ECO4 let the water vapor escape to the outside of the building cavities more than any other panels or insulation products on the market.

SONOclimat ECO4 is made from 100% recycled wood fibre. This panel is 100% recyclable.

Ideal for green construction projects and conscious energy savings.

Our sheathing products are composed by interlocking cellulose fibres bonded together by heat, pressure and a superior wax emulsion.

This product meets the requirements: CAN / ULC-S706-09.

Bracing tested as :

ASTM E72-13

Result: 5.84 kN / m

(see the Installation Guide)

The density of this material has been developed to obtain an optimal combination of strength and insulation value.

Ecological wood fibreboard insulation panel

Properties	Standards	Nominal value
Density	ASTM D-1037	≥ 16,5 lb / ft ³ ≥ 265 kg / m ³
Transverse load at rupture	ASTM C-209	≥ 179 N ≥ 40 psi
tensile strength perpendicular to surface	ASTM C-165	≥ 24 KPa ≥ 3,5 psi
Tensile strength parallel to surface	ASTM C-209	≥ 350 KPa ≥ 51 psi
Water absorption	ASTM C-209	≤ 5 %
Lineare expansion	ASTM D-1037	≤ 0,5 %
Compressive strength (10 % def.)	ASTM C-209	≥ 344.75 KPa ≥ 50 psi
Thermal resistance / inch (1")	ASTM C-518	RSI = 0,47 / in. R = 2.7 / in.
Thermal resistance total		RSI = 0,7 R = 4.05
Water vapour permeability	ASTM E96 / E96M-13	26 perms 1490 ng / Pa • s • m ²
Dimensions:	4' X 8' (1.22 m x 2.44 m)	Weight per sheet: 60 lbs (27.27 Kg)
	4' X 9' (1.22 m x 2.75 m)	Weight per sheet: 65 lbs (29.55 Kg)
Thickness:		1,5" (38.1 mm)

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