

DECLARATION OF PERFORMANCE

(EU REGULATION 305/2011)

N. 01 BORJATHERM

BORJATHERM®

BORJATHERM is a thermal insulating prefabricated panel that integrates a series of layers useful to create a roof package in a single product.

The product complies with the **UNI EN 1316500-2015** norm and has been subjected to the initial test required by the mentioned norm at ISTITUTO GIORDANO, notified laboratory No 0407.

PERFORMANCE

CHARACTERISTICS	U.M.	VALUE
Density	Kg/m ³	39
Thermal conductivity λ	W/mk	0,020
Declared thermal conductivity λ_D <small>Aged weighted value for 25 years of operation</small>	W/mk	0,022
Thermal conductance U	W/m ² k	0,37 per s = 60mm
		0,27 per s = 80mm
		0,22 per s = 100mm
		0,18 per s = 120mm
Declared thermal conductance R _D <small>Aged weighted value for 25 years of operation</small>	m ² k/W	2,7 per s = 60mm
		3,6 per s = 80mm
		4,5 per s = 100mm
		5,4 per s = 120mm
Thermal stability	°C	-50 / + 100
Dimensional stability DS(TH)	class	8
Resistance to compression with 10% of deformation CS(10)	kpa	130
Resistance to water vapour diffusion MU	//	//
Long term water absorption WL(T)	%	0,7
Issue of dangerous substances		Compliant
Reaction to fire		F
Sound-insulating power	dB	22