

Isolocork Filler

Declaration of Performance

Product Code: ISOLOCORK FILLER
Natural cork for projection.

Manufacturer:
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Zona Industrial de SAM, 17
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Application:
Interior and Exterior

Declared Performance:



The analytical methodologies adopted in carrying out this study are described below:

Determination of thermal conductivity - Teste carried out according with the methodology described in the test norm ISO 8301 : 1991. Measurement of steady-state heat transfer through flat plate test pieces.

RESULTS - Determination of thermal conductivity

PARAMETER	EXPRESSION OF RESULTS	RESULTS				PV	TEST METHOD
		Test piece P9	Test piece P10	Test piece P11	Average		
Thermal Conductivity	$\frac{W}{m^{\circ}C}$	0,0616	0,0625	0,0597	0,061	---	ISO 8301: 1991 Nº of test Pieces: 3
Cold Plate Temperature	°C	10,2				---	
Hot Plate Temperature	°C	37,8				---	
Thickness	mm	15,1	15,1	15,3	15	---	
Definitions: PV - Parametric value: specification, maximum admissible concentrations or reference value for the property, element, organism or substance.							

WATER VAPOUR PERMEABILITY TEST

Test Piece		Permeance (ng/m ² .s.Pa)	Permeability (ng/m.s.Pa)	Equivalent diffusion air layer thickness (m)
Nº	Thickness µm			
S1/15-1A-1	1291	1879,1	2,42	0,08
S1/15-1A-2	1178	1807,5	2,13	0,08
S1/15-1A-3	1227	2222,5	2,73	0,06
S1/15-1A-4	1352	2794,8	3,78	0,04
S1/15-1A-5	1424	2656,5	3,78	0,05
Average	1294	2272,1	2,97	0,06

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The analytical methodologies adopted in carrying out this study are described below:

Accelerated aging test (Adapted to the ASTM G 53 norm) - Exposure of test pieces to the combined action of ultraviolet UVA radiation (340nm), temperature and water vapor condensate, for 240 hours, under the following conditions: 4 hour cycles under the action of UVA radiation at 60°C followed by 4 hours of condensation at 50°C.

RESULTS - Accelerated aging test

PARAMETER		RESULTS
	Colour Change:	Good resistance to photodegradation by UV radiation, attested by the absence of chromatic changes in the areas of the test pieces exposed to the action of simulated atmospheric agents - see figure 2.
	Physical Integrity:	Conservation of the macroscopic integrity of the test pieces: - Good compactness/solidity of the test pieces, with the absence of cracks and/or material separation phenomena - Absence of bending and/or structural deformation of the test pieces - Absence of granule blistering phenomena - see figure 3.

This declaration of performance is issued in accordance with the EU Regulation n°305/2011.

Bibeião 12-03-2118
Place and Date


Signature