

Declaration of performance DoP

N.00099 Ref. CPR 305/2011 del 09/03/2011


1) UNIQUE IDENTIFICATION CODE OF THE TYPE PRODUCT	Ecosilver 131 RE
2) BATCH / SERIES NUMBER FOR PRODUCT IDENTIFICATION	The production batches are shown on the CE label with reference to this DoP
3) INTENDED USE OF THE PRODUCT	Eps for facade insulation system
4) NAME AND ADDRESS OF THE MANUFACTURER	FORTLAN-DIBI S.r.l. Via Sacco e Vanzetti 6/6 A – 42021 Ghiardo di Bibbiano – Reggio Emilia Tel+39-0522-882054 Fax+39-0522-882255 Mail:customer@fortlan-dibi.it
5) NAME AND ADDRESS OF THE LEGAL REPRESENTATIVE whose mandate covers the tasks referred to in Article 12, paragraph 2 of Reg. 305/2011	Not applicable
6) VALUATION AND VERIFICATION SYSTEM OF THE CONSTANCE OF PERFORMANCE	AVCP 3 SYSTEM
7) THE PRODUCT FALLS WITHIN THE APPLICATION OF HARMONIZED STANDARD UNI EN 13163: 17 AND RELATIVE ANNEX ZA. NOTIFIED LABORATORIES:	LGAI Bellaterra Barcelona IIP - Istituto Italiano dei Plastici – Monza nr. notification 1597 They have performed the determination of the product-type based on the initial type tests and have issued the relevant test certificates according to what is defined by the AVCP 3 system
8) DECLARATION OF PERFORMANCE RELATING TO A CONSTRUCTION PRODUCT FOR WHICH A EUROPEAN TECHNICAL ASSESSMENT HAS BEEN ISSUED:	Not applicable

9) DECLARED PERFORMANCE:

PROPERTIES	VALUE	HARMONIZED TECHNICAL STANDARD
Reaction to fire	Reaction to fire of the product as well as place on the market	E
Continuous Dripping	Continuous Dripping	NPD as an EN standardized test method is not available
Water permeability	Water absorption for long-term total immersion Wlt	≤2,5%
	Water absorption for long-term partial immersion Wlp	≤0,5 kg/m ²
Release of dangerous substances into the internal environment	Release of dangerous substances	NPD as an EN standardized test method is not available
Sound insulation index (air)	Dynamic stiffness	NPD
Impact noise transmission index (for floors)	Dynamic stiffness	NPD
	Thickness dL	NPD
	Compressibility	NPD
Heat resistance	Heat resistance	See table 1
	Thermal conductivity	λD = 0,031 W/mK
Dimensional tolerances	Thickness	T1 (±1 mm)
	Length	L2 (±2 mm)
	Width	W2 (±2 mm)
	Squareness	S2 (±2 mm/1000)
	Flatness	P3 (±3 mm)
Water vapor permeability	Coefficient of resistance to the diffusion of water vapor	μ = 41
Compressive strength	Compressive strength at 10% deformation	CS(10) ≥ 70 kPa
Bending / tensile strength	Bending strength	NPD
	Tensile strength perpendicular to the faces	TR ≥ 100 kPa
Durability of reaction to fire against heat, atmospheric agents, aging, degradation	Durability characteristics	The fire performance of the EPS does not deteriorate over time
Durability of thermal resistance against heat, atmospheric agents, aging, degradation	Durability characteristics	The thermal conductivity of EPS does not vary over time
Durability of compressive strength against aging, degradation	Compression creep	NPD
	Resistance to freeze-thaw	NPD
	Long-term thickness reduction	NPD

Nominal thickness (mm)	Heat resistance RD (m ² K/W)
40	1,25
50	1,60
60	1,90
80	2,55
100	3,20
120	3,85
140	4,50
160	5,15
180	5,80
200	6,45

10) The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer:	Ennio Delia CEO	
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Ghiardo di Bibbiano, 01/01/2024