

SIMES

luce per l'architettura

Simes S.p.A. via G.Pastore, 2/4 - 25040 Corte Franca (BS) - ITALIA

Tel. +39 030 9860411 - Fax +39 030 9828308

simes@simes.it - www.simes.it

DECLARATION OF PERFORMANCE

D.o.p. nr° 006/2 - CPR – 1st of July 2013

1. Unique identification code of the product-type: **Item in EPS for thermal insulation**
2. Type, batch or serial number or any other element allowing identification of the construction product in accordance with the article 11 par. 4 of the CPR **EPS K200**
(Production batch, identification are printed on the packaging in accordance with the article 11 par. 4 CPR)
3. Use or uses of the construction product in accordance within relevant harmonized technical specification **Thermal insulation**
4. Manufacturer pursuant Article. 11 par. 5: **For any information on the insulation panel manufacturer, please refer to Simes.**
5. Name and address of the Legal representative **N.a.**
6. System for assessing and verifying the constancy of performance **System AVCP 3**
7. **Notified test laboratory 'Istituto Italiano dei Plastici N. 1597' - has carried out the determination of the product-type based on the initial tests with the CE marking attestation dated 19-04-2005 according to attachment ZA of UNI EN 13163 - LGAI Technological Center SA Laboratory - Bellaterra Spain.**
8. Performance declared:

Essential characteristics	Performance		harmonized technical specification
Reaction to fire	Reaction to fire of the product as well as placed on the market	E	EN 13163:2013
	End-use applications. The product reaction with fire in standard conditions of installation (simulation on insulation panel wall and dry wall application)	Normalized assembly: B s2 d0	EN 15715:2009
Watertightness	Water absorption	WL (T) <2	EN 13163:2013
Release of dangerous substances to the indoor environment	Release of dangerous substances	NPD*	-

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Cod. Fisc. E Partita IVA: 00436080170 – Cod. ISO: IT00436080170 – Capitale Sociale int. vers. 30.000.000 € a R.E.A. – C.C.I.A.A. di Brescia N. 191441 – N. Mecc.

BS002458 SIMES S.p.A. a socio unico – Società soggetta all'attività di direzione e coordinamento della SIMTECH S.p.A.

SIMES S.p.A. single shareholder – Company subjected to the directional and coordinative activity of SIMTECH S.p.A.

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Thermal resistance	Thermal conductivity	$\lambda_D =$ 0,033 (W/mK)	EN 13163:2013
	Thermal resistance	Rd (m²K/W)	
	Thickness (mm)	40 1.20	
		50 1.50	
		60 1.80	
		80 2.40	
		100 3.00	
		120 3.60	
		140 4.20	
		160 4.80	
		180 5.45	
		200 6.05	
		240 7.25	
		300 9.05	
	Thickness tolerance	T(1) +/- 1 mm	
Water vapour resistance	Water vapour transmission	MU 40 - 100	EN 13163:2013
Compressive strength	Compressive stress at 10% deformation	CS(10) 200	EN 13163:2013
	Deformation under specified compressive load and temperature conditions	NPD	
Tensile / Flexural strength	Flexural Strength resistance	BS 250	EN 13163:2013
	Tensile strength perpendicular to faces	NPD	-
Durability of reaction to fire against heat, weathering, ageing / degradation	Durability characteristics (the properties of reaction to fire do not undergo changes)	The reaction with fire of the EPS do not change in time	-
Durability of reaction to fire against heat, weathering, ageing / degradation	Thermal conductivity	$\lambda_D = 0,033$ (W/mK) – Rd in accordance with EN 12667	EN 13163:2013
	Durability characteristics (only for thickness)	T(1) +/- 1 mm	

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	Dimension stability at 23°C, 50% H.R.	DS(N)2=+/- 0.2%	
Durability of compressive strength against ageing / degradation	Creep - Compressive viscous flow	NPD	EN 13163:2013
	Freeze-Thaw resistance	NPD	
	Long term thickness shrinkage	NPD	
*NPD (No Performance Determined): No EN harmonized test method available			

This declaration of performance is issued under the sole responsibility of the manufacturer. If any signed and official documentation is needed, please refer to Simes directly.

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