

DECLARATION OF PERFORMANCE

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1. Unique identification code of the product – type: **STIFERITE CLASS SH**
2. Batch number: **See CE mark label and marking on boards**
3. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: **Thermal insulation for building**
4. Name, registered trade or registered trade mark name and contact address of manufacture:

STIFERITE SpA
Viale Navigazione Interna, 54
35129 Padova (Italy)

5. Name and contact address of authorised representative whose mandate covers: –
6. System or systems of assessment and verification of constancy of performance of the construction product: **AVCP 3**
7. In case of declaration of performance concerning a construction product covered by a harmonised standard:

CSI S.p.A.

IDENTIFICATION NUMBER: 0497

**Performed the test reports on the declared characteristics under system AVCP 3
and**

FORSCHUNGSINSTITUT FÜR WÄRMESCHUTZ E. V. MÜNCHEN FIW MÜNCHEN

IDENTIFICATION NUMBER: 0751

**Performed the test reports on the declared characteristics under system AVCP 3
and**

L.S. FIRE TESTING INSTITUTE SRL

IDENTIFICATION NUMBER: 2479

**Performed the test reports on the declared characteristics under system AVCP 3
and**

ISTITUTO GIORDANO S.P.A.

IDENTIFICATION NUMBER: 0407

**Performed the test reports on the declared characteristics under system AVCP 3
and**

TECNALIA R&I CERTIFICACION, S.L.

IDENTIFICATION NUMBER: 1239

Performed the test reports on the declared characteristics under system AVCP 3

8. In case of the declaration of performance concerning a construction product for which a European Technical Assessment has been issued: –
9. Declaration performance:

Declaration of performance	Stiferite CLASS SH	Rev. 6 del 10/04/2023	Compiled by: F. Raggiotto	Verified by: L. Tolin	Approved by: P. Stimamiglio
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Essential Characteristics	Performance		Harmonised technical specification
Thermal resistance	Thermal resistance $R_D/(m^2K/W)$	See table 1	EN 13165: 2016
Thermal conductivity	Thermal conductivity $\lambda_D/(W/mK)$		
Thickness	Thickness $d_N/(mm)$		
Length and width	< 1000 mm	± 5 mm	
	1001 a 2000 mm	± 7.5 mm	
	2001 a 4000 mm	± 10 mm	
	> 4000 mm	15 mm	
Reaction to fire	Reaction to fire /(Euroclass)	E	
Continuous glowing combustion		No harmonized test method available	
Durability of reaction to fire against heat, weathering, ageing/degradation		Reaction to fire doesn't change	
Durability of thermal resistance against heat, weathering, ageing/degradation	Durability of thermal resistance ageing/degradation	Thermal resistance doesn't change	
	Dimensional stability under specified temperature and humidity conditions	See table 1	
	Deformation under specified compressive load and temperature conditions	<5 [DLT(1)5]	
Tensile strength	Tensile strength perpendicular to the face /(kPa)	40 [TR40]	
Compressive strength	Compressive strength/(kPa)	200 [CS(10/Y)150]	
Durability of compressive strength against ageing/degradation	Compressive creep	<2 [CC(2.0/1.5/50)30]	
Water permeability	Water absorption - short term by partial immersion/(kg/m ²)	0.2 [WS(P)0.2]	
	Water absorption - long term by total immersion /(%)	2 [WL(T)2]	
	Flatness after one sided wetting	≤ 10 mm [FW 10]	
Water vapor transmission	Water vapour transmission	MU 56 ± 2	
Release of dangerous substances to the indoor environment		No harmonized test method available	
Acoustic adsorption index	Sound adsorption	NPD	
Direct airborne sound insulation index	Sound adsorption	NPD	

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Table 1

Spessore/(mm)	Conducibilità termica λ_D /(W/mK)	Resistenza termica R_D /(m ² K/W)	Stabilità dimensionale sotto specifiche condizioni di temperatura ed umidità	
			DS(70;90)	DS(-20;0)
[T2]				
20	0.027	0.74	3	2
30		1.11		
40		1.48		
50	0.026	1.92	4	
60		2.31		
70		2.69		
80		3.08		
90		3.46		
100	0.025	4.00		
120		4.80		
140		5.60		
160		6.40		
180	0.024	7.50		
200		8.33		

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 behalf of the manufacturer by:

Fabio Raggiotto, technical manager

Padova, 10/04/2023

