

**DECLARATION OF PERFORMANCE**

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1. Unique identification code of the product – type: **STIFERITE Ai8**
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 equipment and industrial installations**
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**

**ISTITUTO GIORDANO S.p.A.**

**IDENTIFICATION NUMBER: 0407**

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

**And**

**LSFIRE s.r.l.**

**IDENTIFICATION NUMBER: 1598**

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

**And**

**T2I s.r.l.**

**IDENTIFICATION NUMBER: 1600**

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

**And**

**FIW (MUNICH)**

**IDENTIFICATION NUMBER: 0751**

**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:

Essential Characteristics	Performance		Harmonised technical specification
Thermal resistance	Thermal resistance $R_D/(m^2K/W)$	<b>See table 1</b>	<b>EN 13165:2016</b>
Thermal conductivity	Thermal conductivity $\lambda_D/(W/mK)$		
Thickness	Thickness $d_W/(mm)$		

Declaration of performance	Stiferite Ai8	Rev. 2 del 10/04/2018	Compiled by: F. Raggiotto	Verified by: L. Tolin	Approved by: P. Stimamiglio
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Essential Characteristics	Performance		Harmonised technical specification
Length and width	1200 mm	± 10 mm	<b>EN 13165:2016</b>
	2001 a 4000 mm	± 15 mm	
Reaction to fire	Reaction to fire /(Euroclass)	<b>B s1 d0</b>	
Continuous glowing combustion		<b>No harmonized test method available</b>	
Durability of reaction to fire against heat, weathering, ageing/degradation		<b>Reaction to fire doesn't change</b>	
Durability of thermal resistance against heat, weathering, ageing/degradation	Durability of thermal resistance ageing/degradation	<b>Thermal resistance doesn't change</b>	
	Dimensional stability under specified temperature and humidity conditions	<b>See table 1</b>	
	Deformation under specified compressive load and temperature conditions	<b>NPD</b>	
Tensile strength	Tensile strength perpendicular to the face /(kPa)	<b>30 [TR30]</b>	
Compressive strength	Compressive strength/(kPa)	<b>150 [CS(10/Y)150]</b>	
Durability of compressive strength against ageing/degradation	Compressive creep	<b>NPD</b>	
Water permeability	Water absorption - short term by partial immersion/(kg/m <sup>2</sup> )	<b>0.1 [WS(P)0.2]</b>	
	Water absorption - long term by total immersion /(%)	<b>1 [WL(T)1]</b>	
	Flatness after one sided wetting	<b>≤ 10 mm [FW 10]</b>	
Water vapor transmission	Water vapour transmission	<b>MU endless</b>	
Release of dangerous substances to the indoor environment		<b>No harmonized test method available</b>	
Acoustic adsorption index	Sound adsorption	<b>NPD</b>	
Direct airborne sound insulation index	Sound adsorption	<b>NPD</b>	

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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.

Table 1

Thickness/(mm)	Thermal conductivity $\lambda_D$ /(W/mK)	Thermal resistance $R_D$ /(m <sup>2</sup> K/W)	Dimensional stability under specified temperature and humidity conditions	
			DS(70;90)	DS(-20;0)
[T2]				
<b>20</b>	<b>0.022</b>	<b>0.91</b>	<b>3</b>	<b>2</b>
<b>30</b>		<b>1.36</b>	<b>4</b>	

Signed for and behalf of the manufacturer by:

Fabio Raggiotto, technical manager

