

**DECLARATION OF PERFORMANCE**

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1. Unique identification code of the product – type: **STIFERITE AI6**
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 srl**  
**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**

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: 2012</b>
Thermal conductivity	Thermal conductivity $\lambda_D/(W/mK)$		
Thickness	Thickness $d_N/(mm)$		
Length and width	< 1000 mm	<b>± 5 mm</b>	
	1001 a 2000 mm	<b>± 7.5 mm</b>	
	2001 a 4000 mm	<b>± 10 mm</b>	
	> 4000 mm	<b>15 mm</b>	
Reaction to fire	Reaction to fire $I/(Euroclass)$	<b>D s2 d0</b>	

Declaration of performance	Stiferite AI6	Rev. 0 del 01/07/2013	Compiled by: F. Raggiotto	Verified by: L. Tolin	Approved by: P. Stimamiglio
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Essential Characteristics	Performance		Harmonised technical specification
Continuous glowing combustion		<b>No harmonized test method available</b>	<b>EN 13165: 2012</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>90 [TR70]</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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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>0.023</b>	<b>0.87</b>	<b>3</b>	<b>2</b>
<b>30</b>		<b>1.30</b>	<b>4</b>	
<b>40</b>		<b>1.74</b>		
<b>50</b>		<b>2.17</b>		
<b>60</b>		<b>2.61</b>		
<b>70</b>		<b>3.04</b>		
<b>80</b>		<b>3.48</b>		
<b>90</b>		<b>3.91</b>		
<b>100</b>		<b>4.35</b>		
<b>120</b>		<b>5.22</b>		

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, 01/07/2013

