

**DECLARATION OF PERFORMANCE (acc. EU 305/2011, Annex III)  
No 01-0033-03**

1. Unique identification code of the product-type: STEICOsafe WF-EN13171-T5-DS(70,-)2-CS(10\Y)180-TR25-WS1,0
2. Intended use or uses of the construction product, in accordance with the applicable harmonised technical specification, as foreseen by the manufacturer: Thermal insulation for buildings
3. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11(5): STEICO SE, Otto-Lilienthal-Ring 30, D-85622 Feldkirchen, email: [info@steico.com](mailto:info@steico.com)
4. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: AVCP 3
5. In case of the declaration of performance concerning a construction product covered by a harmonised standard: Notified certification body No. 0432 MPA Nordrhein-Westfalen performed the determination of the product type on basis of type testing and type
6. Declared performance

Tabelle 1

Essential characteristics		Performance	Harmonised technical specification
Reaction to fire	4.2.6 Reaction to fire	Class E	EN 13171:2012+ A1:2015
Release of dangerous substances to the indoor environment	4.3.15 Release of dangerous substances	NPD	
Acoustic absorption index	4.3.12 Sound absorption	NPD	
Impact noise transmission index (for floors)	4.3.10 Dynamic stiffness	NPD	
	4.3.11.2 Thickness $d_L$	NPD	
	4.3.11.4 Compressibility	NPD	
	4.3.13 Air flow resistivity	NPD	
Direct airborne sound insulation index	4.3.13 Air flow resistivity	NPD	
Continuous Glowing combustion	4.3.17 Continuous glowing combustion	NPD	
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Thermal resistance see table 2 $R_D 0,043 W/(m^*K)$	
	4.2.3 Thickness	See table 2	
	4.2.3 Thickness Class	T5	
Water permeability	4.3.8 Short term water absorption	WS1,0	
Water vapour permeability	4.3.9 Water vapour transmission	NPD	
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10\Y)180	
	4.3.6 Point load	NPD	

Table 1(continued)

Essential characteristics		Performance	Harmonised technical specification
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics	NPD	EN 13171:2012+A1:2015
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Thermal resistance see table 2 $R_D 0,043 \text{ W}/(\text{m}^2\text{K})$	
	4.2.7 Durability characteristics	NPD	
	4.3.2 Dimensional stability	DS(70,-)2	
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces	TR25	
	4.3.5 Tensile strength parallel to faces	NPD	
Durability of compressive strength against ageing/degradation	4.3.7 Compressive creep	NPD	

Table 2


Thickness d [mm]	60
Thermal resistance $R_D$ [(m <sup>2</sup> K)/W]	1,40

Table 3 [Fleece lamination]

Essential characteristics	Desired value	Tolerance		Harmonised technical specification
		min.	max.	
Length [m]	1955	-0%		EN 13859:2010
Width [m]	675	-0,5%	+1,5%	
Fire behaviour	E			
Resistance to water penetration	W 1			
Resistance to water penetration after ageing	W 1			
Area weight [g/m <sup>2</sup> ]	160	-10%	+10%	
Resistance to air penetration [m]	0,02	-0,01	+0,02	
Tensile force longitudinal/transverse [N/50mm]	290 / 230	-30	+30	
Tensile force longitudinal/transverse after ageing [N/50mm]	290 / 230	-30	+30	
Elongation tensile force longitudinal/transverse [%]	65 / 40	-15	+15	
Elongation after ageing longitudinal/transverse [%]	65 / 40	-15	+15	
Tear resistance longitudinal/transverse [N]	150 / 200	-30	+30	
Cold bending [°C]	-20			
Dimensional stability [%]	-2			
Temperature resistance	-40 bis +80			
Water pressure resistance	> 400			
Resistance to driving rain	ja			
Outdoor exposure	3			
Classification ZvDH	UDB-A + USB-A			

7. The performance of the product identified in point 1 in conformity with the declared performance in point 6.

Signed for and on behalf of the manufacturer by:

Dr. Michael Makas Head of R&D/QM	Feldkirchen, 21.11.2016	 b.o.
(name and function)	(place and date of issue)	(signature)

Date: 27.01.2015	Revised: 21.11.2016
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