

**DECLARATION OF PERFORMANCE (acc. EU 305/2011, Annex III)  
No 01-0042-01**

1. Unique identification code of the product-type: STEICOflex 036 Keil WF-EN13171-T3-TR1-AF5-MU2
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, Deutschland, 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 calculation
6. Declared performance

Table 1

Essential characteristics (see Note1)		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 dL	NPD	
	4.3.11.4 Compressibility	NPD	
	4.3.13 Air flow resistivity	AF <sub>r</sub> 5	
Direct airborne sound insulation index	4.3.13 Air flow resistivity	AF <sub>r</sub> 5	
Continuous Glowing combustion	4.3.17 Continuous glowing	NPD	
Thermal resistance	4.2.1 Thermal conductivity	λ <sub>D</sub> 0,036 W/(m*K)	
	4.2.1 Thermal resistance	R <sub>D</sub> see table 2	
	4.2.3 Thickness	See table 2	
	4.2.3 Thickness Class	T3	
Water permeability	4.3.8 Short term water absorption	NPD	
Water vapour permeability	4.3.9 Water vapour transmission	MU2	
Compressive strength	4.3.3 Compressive stress or compressive strength	NPD	
	4.3.6 Point load	NPD	

Table 1 (continued)

Essential characteristics (see Note1)		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	R <sub>D</sub> see table 2 λ <sub>D</sub> 0,036 W/(m*K)	
	4.2.7 Durability characteristics	NPD	
	4.3.2 Dimensional stability	NPD	
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces	TR1	
	4.3.5 Tensile strength parallel to faces	NPD	
Durability of compressive strength against ageing/degradation	4.3.7 Compressive creep	NPD	

**Note1:**  
Column 2 contains, for each essential characteristic listed in column 1, the declared performance in accordance with the requirements of Article 6, expressed in Levels or Classes or in a description in relation to the respective essential characteristics. If no performance is declared then the letters „NPD“ (No Performance Determined / NPD) are given.


Table 2

Thickness d [mm]	20	30	40	50	60	80	100
Thermal resistance R <sub>D</sub> [(m <sup>2</sup> *K)/W]	0,55	0,80	1,10	1,35	1,65	2,20	2,75
Thickness d [mm]	120	140	160	180	200	220	240
Thermal resistance R <sub>D</sub> [(m <sup>2</sup> *K)/W]	3,30	3,85	4,40	5,00	5,55	6,10	6,65

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

This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 3.

Signed for and on behalf of the manufacturer by:

Dr. Michael Makas Leitung F&E / QM	Feldkirchen, 12.03.2018	
(name und function)	(place and date of issue)	b.o. (signature)

Date: 14.06.2013	Revised: 12.03.2018
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