

DECLARATION OF PERFORMANCE (acc. EU 305/2011, Annex III)
No 01-0039-01

1. Unique identification code of the product-type: STEICOflex 038 Keil WF-EN13171-T3-TR1-AF5
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
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		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 <i>(for floors)</i>	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 _r 5	
Direct airborne sound insulation index	4.3.13 Air flow resistivity	AF _r 5	
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 λ_D 0,038 W/(m*K)	
	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	NPD	
Compressive strength	4.3.3 Compressive stress or compressive strength	NPD	
	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 $\lambda_D 0,038 \text{ W}/(\text{m}\cdot\text{K})$	
	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	


Table 2

Thickness d [mm]	60	80	100	120	140	160	180	200
Thermal resistance R_D [(m ² *K)/W]	1,55	2,10	2,60	3,15	3,65	4,20	4,70	5,25

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 Head of R&D/QM (name and function)	Feldkirchen, 16/01/2017 (place and date of issue)	b.o.  (signature)
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Date: 14.06.2013	Revised: 16/01/2017
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