

# THE DECLARATION OF PERFORMANCE<sub>no. 01-0040-02</sub>

1. Unique identification code of the product type: STEICOflex 036 WF-EN13171-T3-TR1-AF5-MU2
2. Intended use or uses of the construction product as foreseen by the manufacturer in accordance with the applicable harmonized technical specification: Thermal insulation of buildings
3. Name, registered trade name or registered trademark and manufacturer's contact address, required in accordance with Art. 11 sec. 5: STEICO SE, Otto-Lilienthal-Ring 30, D-85622 Feldkirchen, Germany, e-mail: [info@steico.com](mailto:info@steico.com)
4. The system or systems for assessing and verifying the constancy of performance of the construction product specified in Annex III: System 3
5. In the case of a declaration of performance for a construction product covered by the standard harmonized: Materialprüfungsamt Nordrhein-Westfalen, Marsbruchstraße 186, D-44287 Dortmund, unit notified body No. 0432 carried out the type examination and type calculation in system 3
6. Declared performance

Table 1

Essential characteristics (see note 1)		Properties utilitarian	Harmonized specification technical
fire resistance	4.2.6 Fire classification	Class E	EN 13171:2012+ A1:2015
Release of hazardous substances, emission into the interior of the building	4.3.15 Release of substances dangerous	NPD	
Sound absorption coefficient	4.3.12 Sound absorption	NPD	
Sound transmission (concerning floors)	4.3.10 Dynamic stiffness	NPD	
	4.3.11.2 Thickness <sub>d</sub>	NPD	
	4.3.11.4 Compressibility	NPD	
	4.3.13 Flow resistance	OF 5	
Acoustic insulation index from air sounds	4.3.13 Flow resistance	OF 5	
Smoldering properties	4.3.17 Smoldering properties	NPD	
thermal resistance	4.2.1 Thermal conductivity	$\lambda_D$ 0.036W/(m*K)	
	4.2.1 Thermal resistance	R <sub>D</sub> see Table 2 (according to mat thickness insulating)	
	4.2.3 Thickness	see Table 2	
	4.2.3 Tolerance class thickness	T3	
water permeability	4.3.8 Water absorption	NPD	
Water vapor permeability	4.3.9 Water vapor diffusion	MU2	
compressive strength	4.3.3 Compressive stress or strength pressing	NPD	
	4.3.6 Concentrated load	NPD	

Table 1 (continued)

Essential characteristics (see note 1)		Properties utilitarian	Harmonized specification technical
Durability of fire resistance class at the influence of heat, factors weathering, aging processes and decomposition	4.2.7 Durability parameters	NPD	EN 13171:2012+ A1:2015
Durability of heat resistance at influence of heat, factors weathering, aging processes and decomposition	4.2.1 Thermal resistance and conductivity thermal	By acc. to Table 2 mat thickness insulating) $\lambda_D 0.036 W/(m \cdot K)$	
	4.2.7 Durability parameters	NPD	
	4.3.2 Dimensional stability	NPD	
Durability stretching/compressing	4.3.4 Tensile strength perpendicular to the surface of the plate	TR1	
	4.3.5 Tensile strength parallel to the surface of the plate	NPD	
Durability compressive strength processes aging/decomposition	4.3.7 Creep when squeezed	NPD	

Note 1:


For each essential characteristic listed in column 1 and in accordance with the requirements of Article 6, column 2 contains the declared properties expressed as a level or class, or in typing terms, associated with the relevant essential characteristics. Contains the letters "NPD" (No Performance Determined) unless the performance has not been declared.

Table 2

Thicknessd <sub>N</sub> [mm]	20	thirty	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
Thicknessd <sub>N</sub> [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 functional properties of the product specified in point 1 are in accordance with the functional properties declared in point 6.

This declaration of performance is issued under the sole responsibility of the manufacturer identified in pt. 3. On behalf of the manufacturer signed:

dr Michael Scissors Research and Development Director/ Quality Management (name and position)	Feldkirchen, date: March 12, 2018 (place and date of issue)	 z up. (signature)
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Done on: June 13, 2013	Changes were made on: 03/12/2018
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