

**DECLARATION OF PERFORMANCE (acc. EU 305/2011, Annex III)  
No 01-0038-02**

1. Unique identification code of the product-type: STEICOflex 038 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<br>(see Note 1)                 |  | Performance               | Harmonised technical specification |
|---|--|---------------------------|------------------------------------|
| Reaction to fire  | 4.2.6 Reaction to fire                           | Class E                   | EN 13171:2012+<br>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 <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 combustion             | NPD                       |                                    |
| Thermal resistance  | 4.2.1 Thermal conductivity                       | $\lambda_D$ 0,038 W/(m*K) |                                    |
|   | 4.2.1 Thermal resistance                         | R <sub>D</sub> 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<br>(see Note 1)                                     |   | 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<br>λ <sub>D</sub> 0,038 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] | 0,50 | 0,75 | 1,05 | 1,30 | 1,55 | 2,10 | 2,60 |
| Thickness d [mm]  | 120  | 140  | 160  | 180  | 200  | 220  | 240  |
| Thermal resistance R <sub>D</sub> [(m <sup>2</sup> *K)/W] | 3,15 | 3,65 | 4,20 | 4,70 | 5,25 | 5,75 | 6,30 |

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<br>Leitung F&E / QM | Feldkirchen, 12.03.2018   | b.o.  |
| (name und function)                   | (place and date of issue) | (signature)  |

|                  |                     |
|------------------|---------------------|
| Date: 13.06.2013 | Revised: 12.03.2018 |
|------------------|---------------------|