

**DECLARATION OF PERFORMANCE (acc. EU 305/2011, Annex V)
No 01-0005-03**

1. Unique identification code of the product-type: **STEICOprotect H WF-EN13171-T5-DS(70,90)2-CS(10\Y)150-TR20(30)-WS1,0-MU5**
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the CPR : **see product label**
3. 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**
4. 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**
5. Where applicable, name and contact address of the authorised representative whose mandate covers the tasks specified in Article 12(2): **not relevant**
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V: **AVCP 3**
7. 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
8. Declared performance

Table 1

| Essential characteristics | | Performance | Harmonised technical specification |
|---|---|--|------------------------------------|
| Reaction to fire | 4.2.6 Reaction to fire | Class E | EN 13171:2012 |
| 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 | |
| | 4.3.11.1 Thickness dL | NPD | |
| | 4.3.11.3 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 $\lambda_D 0.048 \text{ W/(m}\cdot\text{K)}$ | |
| | 4.2.3 Thickness | See product label | |
| | 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 | MU5 | |

Table 1 (continued)

| Essential characteristics | | Performance | Harmonised technical specification |
|---|---|---|------------------------------------|
| Compressive strength | 4.3.3 Compressive stress or compressive strength | CS(10\Y)150 | EN 13171:2012 |
| | 4.3.6 Point load | NPD | |
| Durability of reaction to fire against heat, weathering, ageing/degradation | 4.2.7 Durability characteristics | NPD | |
| Durability of thermal resistance against heat, weathering, ageing/degradation | 4.2.1 Thermal resistance and thermal conductivity | Thermal resistance see table 2 λ_D 0.048 W/(m*K) | |
| | 4.2.7 Durability characteristics | NPD | |
| | 4.3.2 Dimensional stability | NPD | |
| | 4.3.2.2 Dimensional stability under specific temperature | NPD | |
| Tensile/Flexural strength | 4.3.2.2 Dimensional stability under specific temperature and moisture | DS(70,90)2 | |
| | 4.3.4 Tensile strength perpendicular to faces | TR20(30) | |
| Durability of compressive strength against ageing/degradation | 4.3.5 Tensile strength parallel to faces | NPD | |
| | 4.3.7 Compressive creep | NPD | |

Table 2

| | | | | | |
|--|------|------|------|------|------|
| Thickness d [mm] | 20 | 40 | 60 | 80 | 100 |
| Thermal resistance R_D [(m ² *K)/W] | 0,40 | 0,80 | 1,25 | 1,65 | 2,05 |

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8.
This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

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| Dr. Michael Makas Head of R&D/QM (name and function) | Feldkirchen, 16/04/2014 (place and date of issue) | b.o. (signature) |
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| Date: 13/06/2013 | Revised: 16/04/2014 |
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