

Declaration of Performance

No. CZ0002-001 (eng)

1 Unique identification code of the product-type

108 02

Product/s:

Orstech 45, Orstech 45 NT, Orstech 45 H

TECH Slab 2.1, TECH Slab 2.1 V1, TECH Slab 2.1 Alu2

2 Intended use or uses:

Thermal Insulation of Building Equipment and Industrial Installations (ThIBEII)

3 Manufacturer:

Saint - Gobain Construction Product CZ a.s.
Smrčkova 2485/4, 180 00 Prague 8 - Libeň
Czech Republic
IČO: 25029673, DIČ: CZ 25029673

4 Authorised representative:

not relevant

5 Systém/s of AVCP:

System 1
System 3

6 Notified body/ies:

1023

Institut pro testování a certifikaci a.s.

Harmonised standard:

EN 14303:2009+A1:2013

| Essential characteristics | Performance | Abbreviation | Unit | Declared performance/s: | | | | | | |
|--|--|------------------------|-------------------|--------------------------------|-------|-------|-------|-------|-------|-------|
| Reaction to fire | Reaction to fire | RtF | Euroclass | A1, A2-s1,d0 (Orstech 45 H) | | | | | | |
| Acoustic absorption index | Sound absorption | - | - | NPD | | | | | | |
| Thermal resistance | Thermal resistance | T °C | 50°C | 100°C | 150°C | 200°C | 250°C | 300°C | 400°C | 500°C |
| | | λ_D (W/m*K) | 0,042 | 0,053 | 0,066 | 0,082 | 0,100 | 0,124 | 0,170 | NPD |
| | Thickness | d | mm | 40-100 | | | | | | |
| | Tolerances | T | | T4 | | | | | | |
| Water permeability | Water absorption | WS | kg/m ² | WS1 | | | | | | |
| Water vapour transmission | Water vapour diffusion resistance | s _d | m | NPD | | | | | | |
| Rate of release of corrosive substances | Trace amounts of soluble ions and pH value | CL | mg/kg | 10 | | | | | | |
| | Realease of Dangerous Substances | - | - | NPD | | | | | | |
| Continous glowing combustion | Continous glowing combustion | - | - | NPD | | | | | | |
| Durability of against reaction to fire ageing/degradation | Durability Characteristics | RtF | Euroclass | A1, A2-s1,d0 (Orstech 45 H) | | | | | | |
| Durability of reaction to fire against ageing/degradation and against high temperature | Durability Characteristics | - | - | NPD | | | | | | |
| Durability of thermal resistance against ageing/degradation and against high temperature | Maximum Service Temperature | ST(+) | °C | 400 | | | | | | |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Dimensions and tolerances | T | - | T4 | | | | | | |
| | Dimensional stability, or | DS(TH) | - | NPD | | | | | | |
| | Maximum Service Temperature | ST(+) | °C | 400 | | | | | | |

The performance of the product identified above is in conformity with the set of declared performance/s. This declaration of performance is issued by the Regulation (EU) No 305/2011, under the sole responsibility of the manufacturer identified above.

Jiří Šulák
Name
Plant director
Function


Signature

1.9.2023
Date
Častolovice
Place


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