



DECLARATION OF PERFORMANCE

No 0809-CPR-22001198-M201B-2022/05/02

1. Unique identification code of the product-type:

ISOVER EXTREME 31

2. Intended use/es:

Thermal insulation for buildings

3. Manufacturer:

Saint-Gobain Finland Oy, ISOVER
P.O Box 70
FI-00381 Helsinki
Finland
www.isover.fi

4. Authorised representative:

Not applicable

5. System/s of AVCP:

AVCP System 1 for Reaction to fire
AVCP System 3 for other characteristics

6. Harmonised standard:

EN 13162:2012 + A1:2015

Notified body/ies:

Eurofins Expert Services Oy (Notified Body No. 0809)

7. Declared performance/s:

See annex A

8. Appropriate Technical Documentation and/or Specific Technical Documentation:

Not applicable

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

Signed for and on behalf of the manufacturer by:

[name]: Jussi Jokinen, Development manager ISOVER, Saint-Gobain Finland Oy

At [place]: Helsinki

on [date of issue]: 2.5.2022

[signature]:

ANNEX A

Harmonized technical specification: EN 13162:2012+A1:2015

| Essential characteristics: | Performance: | Standard: |
|--|--|--|
| Thermal resistance | Thermal resistance (m ² K/W) thermal conductivity (W/mK) thickness (mm) R_D See annex B λ_D 0.031 d_N T2 | EN 12667 EN 12667 EN 823 |
| Reaction to fire | Reaction to fire A1 | EN 13501-1 |
| Durability of reaction to fire against heat, weathering, ageing/ degradation | Durability characteristics A1 | EN 13501-1 |
| Durability of thermal resistance against heat, weathering, ageing/ degradation | Thermal resistance (m ² K/W) thermal conductivity (W/mK) Durability characteristics R_D See annex B λ_D 0.031 DS(70,-) | EN 12667 EN 12667 EN 1604 |
| Compressive strength | Compressive stress Point load NPD NPD | EN 826 EN 12430 |
| Tensile/ Flexural strength | Tensile strength perpendicular to faces NPD | EN 1607 |
| Durability of compressive strength against ageing/ degradation | Compressive creep NPD | EN 1606 |
| Water permeability | Short term water absorption Long term water absorption WS (<1.0 kg/m ²) WL(P) (<3.0 kg/m ²) | EN 1609 EN 12087 |
| Water vapour permeability | Water vapour transmission, Water vapour diffusion resistance factor MU1 | EN 12086 |
| Impact noise transmission index (for floors) | Dynamic stiffness Thickness Compressibility Air flow resistivity NPD NPD NPD AFr30 | EN 29052-1 EN 12431 EN 12431 EN 29053 |
| Acoustic absorption index | Sound absorption NPD | EN ISO 354 |
| Direct airborne sound insulation index | Air flow resistivity AFr30 | EN 29053 |
| Release of dangerous substances to the indoor environment | Release of dangerous substances NPD | - |
| Continuous glowing combustion | Continuous glowing combustion NPD | - |

NPD = No Performance Determined

ANNEX B

| Thickness: | Thermal resistance: |
|-------------------|----------------------------|
| 50 mm | 1.60 m ² K/W |
| 70 mm | 2.25 m ² K/W |
| 100 mm | 3.20 m ² K/W |
| 125 mm | 4.00 m ² K/W |
| 150 mm | 4.80 m ² K/W |