

Declaration of performance

N° NLD0003-0001-00 (en)

1. Unique identification code of the product-type:

INSULSAFE PLUS
INSULSAFE PLUS WOOD

2. Element allowing identification of the construction product:

Unique product name (as stated in point 1.)
See also product label for traceability.

3. Intended use (according harmonised technical specification)

Thermal insulation of Buildings (THiB) – In situ formed loose-fill mineral wool (MW) products

4. Name, registered trade name and contact address of the manufacturer:

SAINT-GOBAIN Construction Products NLD b.v.
Parallelweg 20, 4878 AH, Etten – Leur, Nederland

5. Name and contact address of the authorised representative:

Not applicable

6. System(s) of Assessment and Verification of Constancy of Performance of the construction product:

AVCP System 4 for Reaction to fire & AVCP System 3 for other characteristics

7. Case a construction product covered by a harmonised standard:

KIWA (Notified Body n° 0620)

- performed the initial inspection of the manufacturing plant and of factory production control;
continuous surveillance, assessment and evaluation of factory production control ;

BDA (Notified Body n°1640)

performed the determination of the product-type on the basis of type testing (based on sampling carried out by the manufacturer), under system 3.

8. Case of a construction product for which a European Technical Assessment has been issued:

Not applicable

9. Declared performance:

All characteristics listed in the table hereunder are determined in harmonised standard **EN 14064-1:2010**

| Requirement/Characteristic from the mandate | Essential characteristics Requirement clauses in the european standard ^(a) | INSULSAFE PLUS | |
|--|---|------------------------------------|---|
| Thermal resistance | Thermal conductivity (4.2.1) | 0,034 mW/m.K (at density 35 kg/m3) | |
| | Insulation thickness (4.2.1) | Masonry cavity wall width (mm) | Declared thermal resistance level R (m ² .K/W) |
| | | 50 | 1.4 |
| | | 55 | 1.6 |
| | | 60 | 1.7 |
| | | 65 | 1.9 |
| | | 70 | 2.0 |
| | | 75 | 2.1 |
| | | 80 | 2.2 |
| | | 85 | 2.4 |
| | | 90 | 2.6 |
| | | 95 | 2.7 |
| | | 100 | 2.9 |
| | | 105 | 3.0 |
| | | 110 | 3.1 |
| | | 115 | 3.3 |
| | | 120 | 3.4 |
| Reaction to fire, Euroclass characteristics | Reaction to Fire and Annex F (4.2.4) | A1 ^(d) | |
| Water Permeability | Water absorption (4.3.3) | < 1 kg / m ² | |
| Water vapour permeability | Water vapour transmission (4.3.4) | NPD | |
| release of dangerous substances to the indoor environment | Release of dangerous substances (4.3.6) | NPD | |
| Continuous glowing combustion | Continuous glowing combustion (4.3.7) | NPD | |
| Durability of thermal resistance against, ageing/degradation | Thermal resistance and thermal conductivity (4.2.1) | (c) | |
| | Settlement (4.2.3) | S1 ^e | |
| Durability of reaction to fire against ageing/degradation (4.2.1) ^b | Durability of reaction to fire against ageing/degradation (4.2.1) ^b | (b) | |
| | CE Designation code | MW-EN-14064-1-S1-WS | |
| | CE certificatenummer | SYSTEM 3 | |

^a the requirement on a certain characteristic is not applicable in those member states (MSs) where there are no regulatory requirements on that characteristic for the intended use of the product. In this case, manufacturers placing their products on the market of these MSs are not obliged to determine nor declare the performance of their products with regard to this characteristic and the option "No Performance Determined" (NPD) in the information accompanying the CE marking (see ZA.3 EN 14064-1) may be used. The NPD option may not be used, however, where the characteristic is subject to a threshold level (thermal resistance (thermal conductivity and thickness))

^b The fire performance of mineral wool does not deteriorate with time. The euroclass classification of the product is related to the organic content, which cannot increase in time

^c Thermal conductivity of mineral wool products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gasses than atmospheric air

^d The product does not contain more than 1% by weight of organic matter. The product is, due to its low level of combustibility and subject to the conditions also set out in the Annex of Decision 96/603/EC modified, classified in reaction to fire Class A1

^e The product does not have a measurable settlement (≤ 1%). This in alignment with Table 1 & table 2 of EN 14064-1:2010

| Requirement/Characteristic from the mandate | Essential characteristics Requirement clauses in the european standard | INSULSAFE PLUS WOOD | |
|--|--|------------------------------------|---|
| Thermal resistance | Thermal conductivity (4.2.1) | 0,034 mW/m.K (at density 35 kg/m3) | |
| | Insulation thickness (4.2.1) | Frame cavity width (mm) | Declared thermal resistance level R (m ² .K/W) |
| | | 100 | 2.9 |
| | | 150 | 4.3 |
| | | 200 | 5.7 |
| | | 250 | 7.1 |
| | | 300 | 8.6 |
| | | 350 | 10.0 |
| | | 400 | 11.4 |
| Reaction to fire, Euroclass characteristics | Reaction to Fire and Annex F (4.2.4) | A1 | |
| Water Permeability | Water absorption (4.3.3) | < 1 kg / m ³ | |
| Water vapour permeability | Water vapour transmission (4.3.4) | NPD | |
| release of dangerous substances to the indoor environment | Release of dangerous substances (4.3.6) | NPD | |
| Continuous glowing combustion | Continuous glowing combustion (4.3.7) | NPD | |
| Durability of thermal resistance against, ageing/degradation | Thermal resistance and thermal conductivity (4.2.1)c | NPD | |
| | Settlement (4.2.3) | S1 ^e | |
| Durability of reaction to fire against ageing/degradation (4.2.1) ^b | Durability of reaction to fire against ageing/degradation (4.2.1)b | NPD | |
| | CE Designation code | MW-EN-14064-1-S1-WS | |
| | CE certificatenumber | SYSTEM 3 | |

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10. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 9.

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:

Wim Thijs
Plantmanager Saint-Gobain Isover



Date: 11-06-2013

Etten – Leur