

## Declaration of performance

N° NLD0001-0002-01 (EN)

1. Unique identification code of the product-type:

|                                      |                               |
|--------------------------------------|-------------------------------|
| CLADIPAN 32 <sup>②</sup>             | MW-EN-13162-T3-WS-MU1-AFr15   |
| COMFORTPANEL 32ZS- * <sup>①</sup>    | MW-EN-13162-T4-WS-AFr15       |
| COMFORTPANEL32 MOY <sup>①</sup>      | MW-EN-13162-T4-WS-AFr15       |
| ISOCONFORT 32XS                      | MW-EN-13162-T2-WS             |
| ISOCONFORT 32 BEL                    | MW-EN-13162-T2-WS             |
| MUPAN FAÇADE <sup>①</sup>            | MW-EN-13162-T5-WS-WL(P)-AFr15 |
| MUPAN ULTRA XS <sup>①</sup>          | MW-EN-13162-T5-WS-WL(P)       |
| SYSTEMROLL 1000 <sup>①</sup>         | MW-EN-13162-T3-WS             |
| SYSTEMROLL 1000 COMFORT <sup>①</sup> | MW-EN-13162-T3-WS             |
| PAN E4B 1000                         | MW-EN-13162-T5-WS-WL(P)       |

\*(see product table point 9 for more detailed info)

2. Element allowing identification of the construction product:

Unique product name & code stated under point 1.  
See also product label for traceability

3. Intended use (according harmonised technical specification)

Thermal insulation of Buildings (THiB)

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 1 for Reaction to fire (A1, A2, B, C) & AVCP System 3 for other characteristics  
AVCP System 4 for Reaction to Fire (F) & AVCP System 3 for other characteristics

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

<sup>①</sup>KIWA (Notified Body n° 0620) & <sup>②</sup>ACERMI (Notified Body n° 1163)  
- performed the determination of the product-type on the basis of type testing (including sampling);  
initial inspection of the manufacturing plant and of factory production control; continuous  
surveillance, assessment and evaluation of factory production control ; under system 1.

BDA (Notified Body n°1640), KIWA (Notified Body n° 0620), and CSTB (Notified Body n°0679),  
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*

NLD0001-0002-01 (EN)

9. Declared performance:

All characteristics listed in the table hereunder are determined in harmonised standard **EN 13162:2012**

| Essential characteristics<br>Requirement clauses in the<br>european standard | CLADIPAN 32                | PAN E4B 1000            |
|------------------------------------------------------------------------------|----------------------------|-------------------------|
| Thermal resistance and thermal conductivity (4.2.1)                          | 0,032 mW/m.K               |                         |
| Thickness (4.2.3)                                                            | T3                         | T5                      |
| Reaction to Fire (4.2.6)                                                     | A2,s1-d0                   | F                       |
| Water absorption (4.3.7.1)                                                   | < 1 kg / m <sup>2</sup>    | < 1 kg / m <sup>2</sup> |
| Water absorption (4.3.7.2)                                                   | NPD                        | < 3 kg / m <sup>2</sup> |
| Water vapour transmission (4.3.8)                                            | ≤1                         | NPD                     |
| Release of dangerous substances (4.3.13)                                     | NPD                        | NPD                     |
| Sound absorption (4.3.11)                                                    | NPD                        | NPD                     |
| Dynamic stiffness (4.3.9)                                                    | NPD                        | NPD                     |
| Thickness (4.3.10.2)                                                         | NPD                        | NPD                     |
| Compressability (4.3.10.4)                                                   | NPD                        | NPD                     |
| Air Flow resistivity (4.3.12)                                                | 15 kPa.s/m <sup>2</sup>    | NPD                     |
| Air Flow resistivity (4.3.12)                                                | 15 kPa.s/m <sup>2</sup>    | NPD                     |
| Continuous glowing combustion (4.3.15)                                       | NPD                        | NPD                     |
| Compressive stress or compressive strength (4.3.3)                           | NPD                        | NPD                     |
| Point load (4.3.5)                                                           | NPD                        | NPD                     |
| Durability characteristics (4.2.7) <sup>a,b</sup>                            | NPD                        | NPD                     |
| Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>             | NPD                        | NPD                     |
| Durability characteristics (4.2.7) <sup>d</sup>                              | NPD                        | NPD                     |
| Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)                 | NPD                        | NPD                     |
| Compressive creep (4.3.6)                                                    | NPD                        | NPD                     |
| CE Designation code                                                          | MW-EN13162-T3-WS-MU1-AFr15 | MW-EN13162-T5-WS-WL(P)  |
| CE certificatenumber                                                         | 0146                       | system 3                |

<sup>a</sup> No change in reaction to fire properties for mineral wool products.

<sup>b</sup> 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

<sup>c</sup> 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

<sup>d</sup> For dimensional stability thickness only

<sup>e</sup> This characteristic also covers handling and installation

| Essential characteristics<br>Requirement clauses in the<br>european standard | SYSTEMROLL 1000 COMFORT | COMFORTPANEL32 MOY      |
|------------------------------------------------------------------------------|-------------------------|-------------------------|
| Thermal resistance and thermal conductivity (4.2.1)                          | 0,032 mW/m.K            |                         |
| Thickness (4.2.3)                                                            | T3                      | T5                      |
| Reaction to Fire (4.2.6)                                                     | A1                      | A2-s2,d1                |
| Water absorption (4.3.7.1)                                                   | < 1 kg / m <sup>2</sup> | < 1 kg / m <sup>2</sup> |
| Water absorption (4.3.7.2)                                                   | NPD                     | NPD                     |
| Water vapour transmission (4.3.8)                                            | NPD                     | NPD                     |
| Release of dangerous substances (4.3.13)                                     | NPD                     | NPD                     |
| Sound absorption (4.3.11)                                                    | NPD                     | NPD                     |
| Dynamic stiffness (4.3.9)                                                    | NPD                     | NPD                     |
| Thickness (4.3.10.2)                                                         | NPD                     | NPD                     |
| Compressability (4.3.10.4)                                                   | NPD                     | NPD                     |
| Air Flow resistivity (4.3.12)                                                | NPD                     | 15 kPa.s/m <sup>2</sup> |
| Air Flow resistivity (4.3.12)                                                | NPD                     | 15 kPa.s/m <sup>2</sup> |
| Continuous glowing combustion (4.3.15)                                       | NPD                     | NPD                     |
| Compressive stress or compressive strength (4.3.3)                           | NPD                     | NPD                     |
| Point load (4.3.5)                                                           | NPD                     | NPD                     |
| Durability characteristics (4.2.7) <sup>a,b</sup>                            | NPD                     | NPD                     |
| Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>             | NPD                     | NPD                     |
| Durability characteristics (4.2.7) <sup>d</sup>                              | NPD                     | NPD                     |
| Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)                 | NPD                     | NPD                     |
| Compressive creep (4.3.6)                                                    | NPD                     | NPD                     |
| CE Designation code                                                          | MW-EN13162-T3-WS        | MW-EN13162-T4-WS-AFr15  |
| CE certificatenummer                                                         | 41520                   | 41539                   |

<sup>a</sup> No change in reaction to fire properties for mineral wool products.

<sup>b</sup> 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

<sup>c</sup> 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

<sup>d</sup> For dimensional stability thickness only

<sup>e</sup> This characteristic also covers handling and installation

| Essential characteristics<br>Requirement clauses in the<br>european standard | MUPAN ULTRA XS          | SYSTEMROLL 1000         |
|------------------------------------------------------------------------------|-------------------------|-------------------------|
| Thermal resistance and thermal conductivity (4.2.1)                          | 0,032 mW/m.K            |                         |
| Thickness (4.2.3)                                                            | T5                      | T3                      |
| Reaction to Fire (4.2.6)                                                     | A1                      | A1                      |
| Water absorption (4.3.7.1)                                                   | < 1 kg / m <sup>2</sup> | < 1 kg / m <sup>2</sup> |
| Water absorption (4.3.7.2)                                                   | < 3 kg / m <sup>2</sup> | NPD                     |
| Water vapour transmission (4.3.8)                                            | NPD                     | NPD                     |
| Release of dangerous substances (4.3.13)                                     | NPD                     | NPD                     |
| Sound absorption (4.3.11)                                                    | NPD                     | NPD                     |
| Dynamic stiffness (4.3.9)                                                    | NPD                     | NPD                     |
| Thickness (4.3.10.2)                                                         | NPD                     | NPD                     |
| Compressability (4.3.10.4)                                                   | NPD                     | NPD                     |
| Air Flow resistivity (4.3.12)                                                | NPD                     | NPD                     |
| Air Flow resistivity (4.3.12)                                                | NPD                     | NPD                     |
| Continuous glowing combustion (4.3.15)                                       | NPD                     | NPD                     |
| Compressive stress or compressive strength (4.3.3)                           | NPD                     | NPD                     |
| Point load (4.3.5)                                                           | NPD                     | NPD                     |
| Durability characteristics (4.2.7) <sup>a,b</sup>                            | NPD                     | NPD                     |
| Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>             | NPD                     | NPD                     |
| Durability characteristics (4.2.7) <sup>d</sup>                              | NPD                     | NPD                     |
| Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)                 | NPD                     | NPD                     |
| Compressive creep (4.3.6)                                                    | NPD                     | NPD                     |
| CE Designation code                                                          | MW-EN13162-T5-WS-WL(P)  | MW-EN13162-T3-WS        |
| CE certificatenummer                                                         | 48459                   | 41520                   |

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<sup>b</sup> 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

<sup>c</sup> 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

<sup>d</sup> For dimensional stability thickness only

<sup>e</sup> This characteristic also covers handling and installation

| Essential characteristics<br>Requirement clauses in the<br>european standard | ISOCONFORT 32 BEL       | ISOCONFORT 32XS         |
|------------------------------------------------------------------------------|-------------------------|-------------------------|
| Thermal resistance and thermal conductivity (4.2.1)                          | 0,032 mW/m.K            |                         |
| Thickness (4.2.3)                                                            | T2                      | T2                      |
| Reaction to Fire (4.2.6)                                                     | F                       | F                       |
| Water absorption (4.3.7.1)                                                   | < 1 kg / m <sup>2</sup> | < 1 kg / m <sup>2</sup> |
| Water absorption (4.3.7.2)                                                   | NPD                     | NPD                     |
| Water vapour transmission (4.3.8)                                            | NPD                     |                         |
| Release of dangerous substances (4.3.13)                                     | NPD                     | NPD                     |
| Sound absorption (4.3.11)                                                    | NPD                     | NPD                     |
| Dynamic stiffness (4.3.9)                                                    | NPD                     | NPD                     |
| Thickness (4.3.10.2)                                                         | NPD                     | NPD                     |
| Compressability (4.3.10.4)                                                   | NPD                     | NPD                     |
| Air Flow resistivity (4.3.12)                                                | NPD                     | NPD                     |
| Air Flow resistivity (4.3.12)                                                | NPD                     | NPD                     |
| Continuous glowing combustion (4.3.15)                                       | NPD                     | NPD                     |
| Compressive stress or compressive strength (4.3.3)                           | NPD                     | NPD                     |
| Point load (4.3.5)                                                           | NPD                     | NPD                     |
| Durability characteristics (4.2.7) <sup>a,b</sup>                            | NPD                     | NPD                     |
| Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>             | NPD                     | NPD                     |
| Durability characteristics (4.2.7) <sup>d</sup>                              | NPD                     | NPD                     |
| Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)                 | NPD                     | NPD                     |
| Compressive creep (4.3.6)                                                    | NPD                     | NPD                     |
| CE Designation code                                                          | MW-EN13162-T2-WS        | MW-EN13162-T2-WS        |
| CE certificatenummer                                                         | system 3                | system 3                |

<sup>a</sup> No change in reaction to fire properties for mineral wool products.

<sup>b</sup> 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

<sup>c</sup> 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

<sup>d</sup> For dimensional stability thickness only

<sup>e</sup> This characteristic also covers handling and installation

| Essential characteristics Requirement clauses in the european standard | COMFORTPANEL 32ZS-*     | MUPAN FACADE                  |
|------------------------------------------------------------------------|-------------------------|-------------------------------|
| Thermal resistance and thermal conductivity (4.2.1)                    | 0,032 mW/m.K            |                               |
| Thickness (4.2.3)                                                      | T4                      | T5                            |
| Reaction to Fire (4.2.6)                                               | A2-s2,d0                | A1   F ( Thickness > 140 mm ) |
| Water absorption (4.3.7.1)                                             | < 1 kg / m <sup>2</sup> | < 1 kg / m <sup>2</sup>       |
| Water absorption (4.3.7.2)                                             | NPD                     | < 3 kg / m <sup>2</sup>       |
| Water vapour transmission (4.3.8)                                      | NPD                     | NPD                           |
| Release of dangerous substances (4.3.13)                               | NPD                     | NPD                           |
| Sound absorption (4.3.11)                                              | NPD                     | NPD                           |
| Dynamic stiffness (4.3.9)                                              | NPD                     | NPD                           |
| Thickness (4.3.10.2)                                                   | NPD                     | NPD                           |
| Compressability (4.3.10.4)                                             | NPD                     | NPD                           |
| Air Flow resistivity (4.3.12)                                          | 15 kPa.s/m <sup>2</sup> | 15 kPa.s/m <sup>2</sup>       |
| Air Flow resistivity (4.3.12)                                          | 15 kPa.s/m <sup>2</sup> | 15 kPa.s/m <sup>2</sup>       |
| Continuous glowing combustion (4.3.15)                                 | NPD                     | NPD                           |
| Compressive stress or compressive strength (4.3.3)                     | NPD                     | NPD                           |
| Point load (4.3.5)                                                     | NPD                     | NPD                           |
| Durability characteristics (4.2.7) <sup>a,b</sup>                      | NPD                     | NPD                           |
| Thermal resistance and thermal conductivity (4.2.1) <sup>c</sup>       | NPD                     | NPD                           |
| Durability characteristics (4.2.7) <sup>d</sup>                        | NPD                     | NPD                           |
| Tensile strength perpendicular to faces <sup>e</sup> (4.3.4)           | NPD                     | NPD                           |
| Compressive creep (4.3.6)                                              | NPD                     | NPD                           |
| CE Designation code                                                    | MW-EN13162-T4-WS-AFr15  | MW-EN13162-T5-WS-WL(P)-AFr15  |
| CE certificatenummer                                                   | 41539                   | 41534                         |

<sup>a</sup> No change in reaction to fire properties for mineral wool products.

<sup>b</sup> 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

<sup>c</sup> 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

<sup>d</sup> For dimensional stability thickness only

<sup>e</sup> This characteristic also covers handling and installation

\* Multiple ZS- codes referring to height of the cut (ZS2, ZS4, ZS6, ZS7 & ZS9)

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: 29-04-2014

Etten – Leur