

CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-146.0-01

In compliance with *Regulation 305/2011/EU of the European Parliament and of the Council of 09 March 2011* (the Construction Products Regulation or CPR), this certificate applies to the construction product

Knauf Insulation mineral wool products

Thermal insulation products for buildings
Factory made mineral wool products (MW) according EN 13162:2012 + A1:2015
(details see annex A for standard building products with conventional binder,
annex B for OEM products with conventional binder)

produced by or for

Knauf Insulation s.r.o.

Železničný rad 24, 986 01 Nová Báňa, Slovakia
and produced in the manufacturing plant(s)

Knauf Insulation s.r.o.

986 01 Nová Báňa, Slovakia

This certificate attests that all provisions concerning the assessment and verification of constancy of performance and the performances described in Annex ZA of the standards(s)

EN 13162:2012+A1:2015

under **System 1** are applied and that

the products fulfil all the prescribed requirements set out above.

This certificate was first issued on 28 February 2017 will be annually confirmed after successful audit and will remain valid as long as the test methods and/or factory production control requirements included in the harmonised standard, used to assess the performance of the declared characteristics, do not change, and the product, and the manufacturing conditions in the plant are not modified significantly, but not longer than 31.12.2021.

Gräfelfing, 28 February 2017




Dipl.-Ing. (FH) Wolfgang Albrecht
Head of Certification Body

ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-146.0-01 Annex A Line 1

Factory: Knauf Insulation s.r.o., 986 01 Nová Bába, Slovakia

Construction product(s): Factory made mineral wool products (MW) according EN 13162:2012 + A1:2015 with conventional binder

Intended use: Thermal insulation products for buildings

Level(s) or class(es)
Reaction to fire: For uses subject to regulations of reaction to fire A1, A2, B, C.
Products for which a clearly identifiable stage in the production process results in the reaction to fire classification

Attestation of conformity system: 1

Table 1: Description of the products - Line 1 standard building products -

| No. | Product | | | Classification | | | | |
|-----|-----------|-------------|-------------------------|------------------------|----------------|---------------------------------------|-----------------------------|-------------------------|
| | Name | Description | Thickness Range [mm] | Reaction to Fire Class | Facing | Density Range [kg/m ³] | Loss of Ignition [mass%] | Thickness Range [mm] |
| 1 | DP-3 | Board | 30-200 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 2 | DP-4 | Board | 30-130 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 3 | DP-5 | Board | 30-140 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 4 | DP-6 | Board | 30-140 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 5 | DP-7 | Board | 20-150 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 6 | DP-8 | Board | 20-240 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 7 | DP-9 | Board | 30-140 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 8 | DP-10 | Board | 15-140 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 9 | TW | Board | 40-160 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 10 | WP | Board | 30-220 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 11 | AP | Board | 20-60 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 12 | KP | Board | 30-240 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 13 | KP/HB | Board | 50-240 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 14 | KP 035 | Board | 30-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 15 | KP/HB 035 | Board | 30-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 16 | FPL | Board | 30-200 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 17 | FP | Board | 30-220 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 18 | FPS | Board | 30-220 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |

(-) no facing/coating (classification report no. PK-13-050)

(1) glass fleece black (GVB) with resin (classification report no. FIRES-CR-088-15-AUPE); Glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-090-15-AUPE)

(3) glass fleece white (GVN) with resin (classification report no. FIRES-CR-088-15-AUPE, FIRES-CR-92-15-AUPE); Glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-091-15-AUPE)

(12) silicate sprayed surface (one-sided) (classification report no. FIRES-CR-034-12-AUPE)

(13) silicate sprayed surface (double-sided) (classification report no. FIRES-CR-034-12-AUPE)

a) field of application for products with facing/coating and A1 classification, see table 2

Table 1 – Line 1 standard building products (continued):

| No. | Product | | | Classification | | | | |
|-----|----------------------------------|-------------|-------------------------|------------------------|----------------|---------------------------------------|-----------------------------|-------------------------|
| | Name | Description | Thickness Range [mm] | Reaction to Fire Class | Facing | Density Range [kg/m ³] | Loss of Ignition [mass%] | Thickness Range [mm] |
| 19 | FPL-035 | Board | 30-240 | A1 | (-) or (1),(3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 20 | ADN | Board | 20-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 21 | ADE | Board | 40-100 | A1 | (1),(3) | ^{a)} | ^{a)} | ^{a)} |
| 22 | DPF-30 | Board | 40-140 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 23 | DPF-40 | Board | 40-240 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 24 | DPF-50 | Board | 20-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 25 | DPF-100 | Board | 30-140 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 26 | PTP | Board | 50-220 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 27 | PTP-LP | Board | 20 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 28 | PTP-LP | Board | 30-40 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 29 | MPN | Board | 40-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 30 | MPE | Board | 30-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 31 | MPS | Board | 30-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 32 | FRN | Board | 40-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 33 | FRK | Board | 50-180 | A1 | (1),(3) | ^{a)} | ^{a)} | ^{a)} |
| 34 | FRE | Board | 30-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 35 | FRE-P | Board | 30-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 36 | FRV | Board | 30-200 | A1 | (1),(3) | ^{a)} | ^{a)} | ^{a)} |
| 37 | FKD N | Board | 40-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 38 | FKD N Thermal, SMARTwall N, FB N | Board | 40-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 39 | OUT-Therm | Board | 40-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 40 | FKD N C1 | Board | 40-245 | A1 | (12) | 30-155 | ≤ 3.5 | any |
| 41 | SMARTwall N C1, FB N C1 | Board | 40-245 | A1 | (12) | 30-155 | ≤ 3.5 | any |
| 42 | OUT-Therm C1 | Board | 40-245 | A1 | (12) | 30-155 | ≤ 3.5 | any |
| 43 | FKD N C2 | Board | 40-245 | A1 | (13) | 30-155 | ≤ 3.5 | any |
| 44 | SMARTwall N C2, FB N C2 | Board | 40-245 | A1 | (13) | 30-155 | ≤ 3.5 | any |
| 45 | OUT-Therm C2 | Board | 40-245 | A1 | (13) | 30-155 | ≤ 3.5 | any |
| 46 | FKD RS C1 | Board | 20-40 | A1 | (12) | 30-155 | ≤ 3.5 | any |
| 47 | FKD RS C2 | Board | 20-40 | A1 | (13) | 30-155 | ≤ 3.5 | any |
| 48 | FKD RS | Board | 20-40 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 49 | FKD | Board | 40-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |

(-) no facing/coating (classification report no. PK-13-050)

(1) glass fleece black (GVB) with resin (classification report no. FIRES-CR-088-15-AUPE); Glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-090-15-AUPE)

(3) glass fleece white (GVN) with resin (classification report no. FIRES-CR-088-15-AUPE, FIRES-CR-92-15-AUPE); Glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-091-15-AUPE)

(12) silicate sprayed surface (one-sided) (classification report no. FIRES-CR-034-12-AUPE)

(13) silicate sprayed surface (double-sided) (classification report no. FIRES-CR-034-12-AUPE)

a) field of application for products with facing/coating and A1 classification, see table 2

Table 1 – Line 1 standard building products (continued):

| No. | Product | | | Classification | | | | |
|-----|----------------------------------|-------------|-------------------------|------------------------|--------|--------------------------|-----------------------------|-------------------------|
| | Name | Description | Thickness Range [mm] | Reaction to Fire Class | Facing | Density Range [kg/m³] | Loss of Ignition [mass%] | Thickness Range [mm] |
| 50 | FKD C1 | Board | 40-160 | A1 | (12) | 30-155 | ≤ 3.5 | any |
| 51 | FKD C2 | Board | 40-160 | A1 | (13) | 30-155 | ≤ 3.5 | any |
| 52 | FKD S, EASY CFP 036 | Board | 40-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 53 | FKD-S Thermal, SMARTwall S, FB S | Board | 40-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 54 | FKD-S C1 | Board | 40-245 | A1 | (12) | 30-155 | ≤ 3.5 | any |
| 55 | FKD-S C2 | Board | 40-245 | A1 | (13) | 30-155 | ≤ 3.5 | any |
| 56 | SMARTwall S C1, FB S C1 | Board | 40-245 | A1 | (12) | 30-155 | ≤ 3.5 | any |
| 57 | SMARTwall S C2, FB S C2 | Board | 40-245 | A1 | (13) | 30-155 | ≤ 3.5 | any |
| 58 | DDP B, FKD B | Board | 20-40 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 59 | DDP B, FKD B | Board | 50-245 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 60 | DDP-K | Board | 20-30 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 61 | DDP-K | Board | 40-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 62 | SMARTroof Base, SDP 035 | Board | 20-30 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 63 | SMARTroof Base, SDP 035 | Board | 40-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 64 | DDP-N | Board | 40-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 65 | DDP-RT | Board | 30-40 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 66 | DDP-RT | Board | 50-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 67 | SMARTroof Thermal | Board | 30-200 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 68 | DDP-U | Board | 50-160 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 69 | SMARTroof Norm | Board | 40-160 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 70 | DDP | Board | 40-120 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 71 | SMARTroof TOP, TERMOTOP | Board | 40-120 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 72 | DF | Board | 60-140 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 73 | PTN | Board | 20 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 74 | PTN | Board | 25 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 75 | PTN | Board | 30 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 76 | PTN | Board | 35-65 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 77 | PTE | Board | 20 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 78 | PTE | Board | 25 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 79 | PTE | Board | 30 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 80 | PTE | Board | 35 | A1 | (-) | 30-155 | ≤ 3.5 | any |

(-) no facing/coating (classification report no. PK-13-050)

(1) glass fleece black (GVB) with resin (classification report no. FIRES-CR-088-15-AUPE); Glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-090-15-AUPE)

(3) glass fleece white (GVN) with resin (classification report no. FIRES-CR-088-15-AUPE, FIRES-CR-92-15-AUPE); Glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-091-15-AUPE)

(12) silicate sprayed surface (one-sided) (classification report no. FIRES-CR-034-12-AUPE)

(13) silicate sprayed surface (double-sided) (classification report no. FIRES-CR-034-12-AUPE)

a) field of application for products with facing/coating and A1 classification, see table 2

Table 1 – Line 1 standard building products (continued):

| No. | Product | | | Classification | | | | |
|-----|-------------------|-------------|-------------------------|------------------------|------------|---------------------------------------|-----------------------------|-------------------------|
| | Name | Description | Thickness Range [mm] | Reaction to Fire Class | Facing | Density Range [kg/m ³] | Loss of Ignition [mass%] | Thickness Range [mm] |
| 81 | PTE | Board | 45 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 82 | PTE | Board | 55-70 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 83 | PTS, EASY FLB 039 | Board | 20 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 84 | PTS, EASY FLB 039 | Board | 25 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 85 | PTS, EASY FLB 039 | Board | 30 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 86 | PTS, EASY FLB 039 | Board | 40 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 87 | PTS, EASY FLB 039 | Board | 50-70 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 88 | PTS, EASY FLB 039 | Board | 80 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 89 | TP | Board | 20 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 90 | TP | Board | 25 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 91 | TP | Board | 30 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 92 | TP | Board | 35-65 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 93 | TPS | Board | 20 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 94 | TPS | Board | 23-30 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 95 | TPS | Board | 35 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 96 | TPS | Board | 40-45 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 97 | TPS | Board | 50 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 98 | TPS | Board | 55-70 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 99 | TPE | Board | 15 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 100 | TPE | Board | 20 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 101 | TPE | Board | 25 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 102 | TPE | Board | 30 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 103 | TPE | Board | 35-50 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 104 | TPE | Board | 60-80 | A1 | (-) | 30-155 | ≤ 3.5 | any |
| 105 | Core 037 | Board | 40-144 | A1 | (-) or (3) | 30-155 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |

(-) no facing/coating (classification report no. PK-13-050)

(1) glass fleece black (GVB) with resin (classification report no. FIRES-CR-088-15-AUPE); Glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-090-15-AUPE)

(3) glass fleece white (GVN) with resin (classification report no. FIRES-CR-088-15-AUPE, FIRES-CR-92-15-AUPE); Glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-091-15-AUPE)

(12) silicate sprayed surface (one-sided) (classification report no. FIRES-CR-034-12-AUPE)

(13) silicate sprayed surface (double-sided) (classification report no. FIRES-CR-034-12-AUPE)

a) field of application for products with facing/coating and A1 classification, see table 2

Table 2: Field of application for products with facing/coating and A1 classification

| Facing/coating | Density Range | Loss of Ignition | Thickness Range |
|---|----------------------|------------------|-----------------|
| | [kg/m ³] | [mass%] | [mm] |
| (1) glass fleece black (GVB) with resin (classification report no. FIRES-CR-088-15-AUPE) | ≤ 150 | ≤ 3.5 | ≤ 60 |
| (1) glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m ²) (classification report no. FIRES-CR-090-15-AUPE) | 30-85 | ≤ 3.0 | 20-120 |
| | 110-130 | ≤ 2.0 | 20-120 |
| (3) glass fleece white (GVN) with resin (classification report no. FIRES-CR-088-15-AUPE) | ≤ 150 | ≤ 3.5 | ≤ 60 |
| (3) glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m ²) (classification report no. FIRES-CR-091-15-AUPE) | 65-85 | ≤ 3.5 | ≤ 100 |
| (12) silicate sprayed surface (one-sided) (classification report no. FIRES-CR-034-12-AUPE) | 30-155 | ≤ 3.5 | any |
| (13) silicate sprayed surface (double-sided) (classification report no. FIRES-CR-034-12-AUPE) | 30-155 | ≤ 3.5 | any |

Gräfelfing, 28 February 2017



W. Albrecht
 Dipl.-Ing. (FH) Wolfgang Albrecht
 Head of Certification Body

ANNEX TO CERTIFICATE OF CONSTANCY OF PERFORMANCE

No.: 0751-CPR-146.0-01 Annex A Line 2

Factory: Knauf Insulation s.r.o., 986 01 Nová Baňa, Slovakia

Construction product(s): Factory made mineral wool products (MW) according EN 13162:2012 + A1:2015 with conventional binder

Intended use: Thermal insulation products for buildings

**Level(s) or class(es)
Reaction to fire:** for uses subject to regulations of reaction to fire A1, A2, B, C.
Products for which a clearly identifiable stage in the production process results in the reaction to fire classification

Attestation of conformity system: 1

Table 1: Description of the products - Line 2 standard building products -

| No. | Product | | | Classification | | | | |
|-----|---------|-------------|----------------------|------------------------|----------------|------------------------------------|--------------------------|----------------------|
| | Name | Description | Thickness Range [mm] | Reaction to Fire Class | Facing | Density Range [kg/m ³] | Loss of Ignition [mass%] | Thickness Range [mm] |
| 1 | TPE | Board | 15 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 2 | TPE | Board | 20 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 3 | TPE | Board | 25-30 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 4 | TPE | Board | 35-50 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 5 | TPE | Board | 60-80 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 6 | PTP | Board | 50-220 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 7 | PTP-LP | Board | 20 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 8 | PTP-LP | Board | 30-40 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 9 | SDP | Board | 40-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 10 | DP-12 | Board | 30-140 | A1 | (-) or (1),(3) | 85-200 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 11 | BS-12 | Board | 30-140 | A1 | (-) or (1),(3) | 85-200 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 12 | BS-13 | Board | 50-160 | A1 | (-) or (1),(3) | 85-200 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 13 | DP-13 | Board | 60-120 | A1 | (-) or (1),(3) | 85-200 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 14 | DP-14 | Board | 20-120 | A1 | (-) or (1),(3) | 85-200 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 15 | DP-15 | Board | 20-140 | A1 | (-) or (1),(3) | 85-200 ^{a)} | ≤ 3.5 ^{a)} | any ^{a)} |
| 16 | FKD | Board | 50-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 17 | FKD C1 | Board | 50-200 | A1 | (12) | 85-200 | ≤ 3.5 | any |
| 18 | FKD C2 | Board | 50-200 | A1 | (13) | 85-200 | ≤ 3.5 | any |

(-) no facing/coating (classification report no. PK-13-050)

(1) glass fleece black (GVB) with resin (classification report no. FIRES-CR-088-15-AUPE); Glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-090-15-AUPE)

(3) glass fleece white (GVN) with resin (classification report no. FIRES-CR-088-15-AUPE, FIRES-CR-92-15-AUPE); Glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-091-15-AUPE)

(12) silicate sprayed surface (one-sided) (classification report no. FIRES-CR-034-12-AUPE)

(13) silicate sprayed surface (double-sided) (classification report no. FIRES-CR-034-12-AUPE)

a) field of application for products with facing/coating and A1 classification, see table 2

A publication of extracts or a referring to the Certificate of Constancy of Performance and its annex requires the prior written approval of FIW München

Certificate of constancy of performance No.: 0751-CPR-146.0-01
Annex A Line 2

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Table 1 – Line 2 standard building products (continued):

| No. | Product | | | Classification | | | | |
|-----|----------------------------------|-------------|-------------------------|------------------------|--------|---------------------------------------|-----------------------------|-------------------------|
| | Name | Description | Thickness Range [mm] | Reaction to Fire Class | Facing | Density Range [kg/m ³] | Loss of Ignition [mass%] | Thickness Range [mm] |
| 19 | FKD S, EASY CFP 036 | Board | 40-245 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 20 | FKD-S Thermal, SMARTwall S, FB S | Board | 40-245 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 21 | FDK-S C1 | Board | 40-245 | A1 | (12) | 85-200 | ≤ 3.5 | any |
| 22 | FKD-S C2 | Board | 40-245 | A1 | (13) | 85-200 | ≤ 3.5 | any |
| 23 | SMARTwall S C1, FB S C1 | Board | 40-245 | A1 | (12) | 85-200 | ≤ 3.5 | any |
| 24 | SMARTwall S C2, FB S C2 | Board | 40-245 | A1 | (13) | 85-200 | ≤ 3.5 | any |
| 25 | FKL | Lamella | 20-30 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 26 | FKL | Lamella | 40-300 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 27 | FKL C1 | Lamella | 20-30 | A1 | (12) | 85-200 | ≤ 3.5 | any |
| 28 | FKL C1 | Lamella | 40-300 | A1 | (12) | 85-200 | ≤ 3.5 | any |
| 29 | FKL C2 | Lamella | 20-30 | A1 | (13) | 85-200 | ≤ 3.5 | any |
| 30 | FKL C2 | Lamella | 40-300 | A1 | (13) | 85-200 | ≤ 3.5 | any |
| 31 | CL, CLT | Lamella | 20-30 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 32 | CL, CLT | Lamella | 40-300 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 33 | CL C1, CLT C1 | Lamella | 20-30 | A1 | (12) | 85-200 | ≤ 3.5 | any |
| 34 | CL C1, CLT C1 | Lamella | 40-300 | A1 | (12) | 85-200 | ≤ 3.5 | any |
| 35 | CL C2, CLT C2 | Lamella | 20-30 | A1 | (13) | 85-200 | ≤ 3.5 | any |
| 36 | CL C2, CLT C2 | Lamella | 40-300 | A1 | (13) | 85-200 | ≤ 3.5 | any |
| 37 | DDP B, FKD B | Board | 20-40 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 38 | DDP B, FKD B | Board | 50-160 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 39 | DDP-K | Board | 70-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 40 | SMARTroof Base, SDP 035 | Board | 70-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 41 | DDP-N | Board | 40-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 42 | DDP-RT | Board | 30-40 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 43 | DDP-RT | Board | 50-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 44 | SMARTroof Thermal | Board | 30-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 45 | DDP-U | Board | 50-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 46 | SMARTroof Norm | Board | 40-200 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 47 | DDP | Board | 60-180 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 48 | SMARTroof TOP, TERMOTOP | Board | 60-180 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 49 | DDP-X | Board | 60-160 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 50 | DDP Plus | Board | 40-100 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 51 | PVT | Board | 20-50 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 52 | PVT | Board | 60-120 | A1 | (-) | 85-200 | ≤ 3.5 | any |

(-) no facing/coating (classification report no. PK-13-050)

(1) glass fleece black (GVB) with resin (classification report no. FIRES-CR-088-15-AUPE); Glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-090-15-AUPE)

(3) glass fleece white (GVN) with resin (classification report no. FIRES-CR-088-15-AUPE, FIRES-CR-92-15-AUPE); Glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-091-15-AUPE)

(12) silicate sprayed surface (one-sided) (classification report no. FIRES-CR-034-12-AUPE)

(13) silicate sprayed surface (double-sided) (classification report no. FIRES-CR-034-12-AUPE)

a) field of application for products with facing/coating and A1 classification, see table 2

A publication of extracts of a referring to the Certificate of Constancy of Performance and its annex requires the prior written approval of FIW München

Certificate of constancy of performance No.: 0751-CPR-146.0-01
Annex A Line 2

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Table 1 – Line 2 standard building products (continued):

| No. | Product | | | Classification | | | | |
|-----|--------------|-------------|-------------------------|------------------------|--------|---------------------------------------|-----------------------------|-------------------------|
| | Name | Description | Thickness Range [mm] | Reaction to Fire Class | Facing | Density Range [kg/m ³] | Loss of Ignition [mass%] | Thickness Range [mm] |
| 53 | Termotoit RT | Board | 30-40 | A1 | (-) | 85-200 | ≤ 3.5 | any |
| 54 | Termotoit RT | Board | 50-160 | A1 | (-) | 85-200 | ≤ 3.5 | any |

(-) no facing/coating (classification report no. PK-13-050)

(1) glass fleece black (GVB) with resin (classification report no. FIRES-CR-088-15-AUPE); Glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-090-15-AUPE)

(3) glass fleece white (GVN) with resin (classification report no. FIRES-CR-088-15-AUPE, FIRES-CR-92-15-AUPE); Glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m²) (classification report no. FIRES-CR-091-15-AUPE)

(12) silicate sprayed surface (one-sided) (classification report no. FIRES-CR-034-12-AUPE)

(13) silicate sprayed surface (double-sided) (classification report no. FIRES-CR-034-12-AUPE)

a) field of application for products with facing/coating and A1 classification, see table 2

Table 2: Notes regarding different facings restrictions class A1

| Facing | Density Range [kg/m ³] | Loss of Ignition [mass%] | Thickness Range [mm] |
|--|---------------------------------------|-----------------------------|-------------------------|
| (-) uncoated product | 85-200 | ≤ 3.5 | any |
| (1) glass fleece black (GVB) with glue (PCS ≤ 0,6 MJ/m ²) (classification report no. FIRES-CR-090-15-AUPE) | 110-130 | ≤ 2.0 | 20-120 |
| (3) glass fleece white (GVN) with glue (PCS ≤ 0,6 MJ/m ²) (classification report no. FIRES-CR-091-15-AUPE) | 110-130 | ≤ 2.3 | ≤ 100 |
| (12) silicate sprayed surface (one side) (classification report no. FIRES-CR-034-12-AUPE) | 85-200 | ≤ 3.5 | any |
| (13) silicate sprayed surface (both sides) (classification report no. FIRES-CR-034-12-AUPE) | 85-200 | ≤ 3.5 | any |

Gräfelfing, 28 February 2017



W. Albrecht

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Head of Certification Body