

Declaration of Performance

N° RW-CEE-DoP-0176/M/23/w1

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|--|---|
| 1. Unique identification code of the product-type: | RW-CEE-0176 |
| 2. Intended use/s: | Thermal insulation for buildings |
| 3. Authorised representative: | ROCKWOOL Polska, Kwiatowa 14, 66-131, Cigacice, Poland |
| 4. System/s of AVCP: | system 1 and system 3 |
| 5. Harmonised standard: | EN 13162:2012 +A1 2015 Issued on 28 February 2013 |
| 6. Notified body/ies: | 1023 |
| 7. Declared performance/s: | Please refer to the table below (NPD – No Performance Determined) |

Table 1

| Essential Characteristics | Requirement clauses in this European Standard | Declared value | Harmonized technical specification |
|---|---|------------------------------------|--|
| Thermal Resistance | 4.2.1 Thermal resistance R_d and d_N thermal conductivity λ_D 4.2.3 Thickness, T_i | See table 2 0.036 T5 | EN 13162:2012 +A1 2015 Issued on 28 February 2013 |
| Reaction to fire | 4.2.6 Reaction to fire - Euroclasses | A1 | |
| Durability of reaction to fire against heat, weathering, ageing/degradation | 4.2.7 Durability characteristics Reaction to fire(RTF) product ^{a)} | A1 | |
| Durability of thermal resistance against heat, weathering, ageing/degradation | 4.2.1 Thermal resistance R_D and thermal conductivity λ_D ^{b)} 4.2.7 Durability characteristics | See table 2 0.036 DS (70,90) | |
| Compressive strength | 4.3.3 Compressive stress or compressive strength 4.3.5 Point load | CS(10)20 NPD | |
| Tensile/Flexural strength | 4.3.4 Tensile strength perpendicular to faces ^{d)} | TR10 | |
| Durability of compressive strength against ageing/degradation | 4.3.6 Compressive creep | NPD | |
| Water permeability | 4.3.7.1 Short term water absorption WS 4.3.7.2 Long term water absorption WL(P) | WS WL(P) | |
| Water vapour permeability | 4.3.8 Water vapour transmission and Water vapour diffusion resistance factor | MU1 | |
| Impact noise transmission index (for floors) | 4.3.9 Dynamic stiffness, SD_i 4.3.10.2 Thickness, d_L 4.3.10.4 Compressibility, c 4.3.12 Air flow resistivity, AF_{fi} | See table 2 NPD NPD NPD | |
| Acoustic absorption index | 4.3.11 Sound absorption, AW_i | See table 2 | |
| Direct airborne sound insulation index | 4.3.12 Air flow resistivity, AF_{fi} | NPD | |
| Release of dangerous substances to the indoor environment | 4.3.13 Release of dangerous substances ^{e)} | NPD | |
| Continuous glowing combustion | 4.3.15 Continuous glowing combustion ^{e)} | NPD | |

^{a)} No change in reaction to fire properties for MW products.

The fire performance of MW does not deteriorate with time. The Euroclass classification of the product is related to the organic content, which cannot increase with time.

^{b)} Thermal conductivity of MW products does not change with time, experience has shown the fibre structure to be stable and the porosity contains no other gases than atmospheric air.

^{c)} For dimensional stability thickness only.

^{d)} This characteristic also covers handling and installation.

^{e)} European test methods are under development.

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Table 2

| Thickness | Thermal resistance | Dynamic Stiffness | Sound Absorption |
|-----------|--------------------|-------------------|------------------|
| 80 | 2.20 | NPD | NPD |
| 90 | 2.50 | NPD | NPD |
| 100 | 2.75 | NPD | NPD |
| 110 | 3.05 | NPD | NPD |
| 120 | 3.30 | NPD | NPD |
| 130 | 3.60 | NPD | NPD |
| 140 | 3.85 | NPD | NPD |
| 150 | 4.15 | NPD | NPD |
| 160 | 4.40 | NPD | NPD |
| 170 | 4.70 | NPD | NPD |
| 180 | 5.00 | NPD | NPD |
| 190 | 5.25 | NPD | NPD |
| 200 | 5.55 | NPD | NPD |
| 210 | 5.80 | NPD | NPD |
| 220 | 6.10 | NPD | NPD |
| 230 | 6.35 | NPD | NPD |
| 240 | 6.65 | NPD | NPD |
| 250 | 6.90 | NPD | NPD |
| 260 | 7.20 | NPD | NPD |
| 280 | 7.75 | NPD | NPD |

The performance of the product identified above is in conformity with the set of declared performances. 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:

Halina Ozon



Cigacice, 07-09-2023