

ROOF 50

MW-EN13162-T5-DS(70,90)-CS(10)50-TR15-PL(5)400-WS-WL(P)-MU1

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| <p>1. Unique identification code of the product-type: ROOF 50</p> <p>2. Intended use: Thermal insulation products for buildings – Factory made mineral wool (MW) products. For uses subject to regulations on reaction to fire A1.</p> <p>3. Manufacturer: Joint Stock Company «GomelStroyMaterialy» Republic of Belarus, 246010, Mogilevskaya str., 14, Gomel</p> | <p>4. Authorized representative: -</p> <p>5. System of attestation of conformity: System 1, System 3</p> <p>6. Harmonized standard: EN 13162:2012+A1:2015 Notified certification body: No. 1020 performed Certificate of constancy of performance No. 1020 –CPR-010022606 Report of the assessment of performance No. 1020-CPR-010-044681.</p> |
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7. Declared Performance

| Essential Characteristics | Clauses in this and other European standard(s) related to essential characteristics | Harmonized standard |
|---|--|------------------------------|
| Reaction to fire | Reaction to fire Euroclasses A1 | EN 13162:2012+A1:2015 |
| Release of dangerous substances to the indoor environment | Release of dangerous substances EU level not yet available NPD | |
| Acoustic absorption index | Sound absorption α_p (A _{Pi}) and α_w (A _{Wi}) declared NPD | |
| Impact noise transmission index (for floors) | Dynamic stiffness S', S _d declared NPD | |
| | Thickness, d _t d _t and classes for thickness tolerances T6 or T7 NPD | |
| | Compressibility c C _{Pi} declared NPD | |
| | Airflow resistivity A _F declared NPD | |
| Direct airborne sound insulation index | Airflow resistivity A _F declared NPD | |
| Continuous glowing combustion | Continuous glowing combustion EU level not yet available NPD | |
| Thermal resistance | Thermal resistance and thermal conductivity Thermal conductivity λ (W/mK) 0,036 Thermal resistance $R = d/\lambda$ (m ² K/W) 2,20 ÷ 4,40. See table | |
| | Thickness Thickness range (mm) 80 ÷ 160 T _i class for thickness tolerance T5 | |
| Water permeability | Short term water absorption WS -declared W _p (kg/m ²) WS | |
| | Long term water absorption WL(P) declared W _{L(P)} (kg/m ²) WL(P) | |
| Water vapour permeability | Water vapour transmission Declared μ_i (MU _i) or Z _i MU1 | |
| Compressive strength | Compressive stress or compressive strength CS(10) _i or CS(10/Y) _i declared (kPa) CS(10)50 | |
| | Point load PL(5) _i declared (N) PL(5)400 | |
| Durability of reaction to fire against heat, weathering, ageing/degradation | Durability characteristics Euroclasses A1 | |
| Durability of thermal resistance against heat, weathering, ageing/degradation | Thermal resistance and thermal conductivity Declared $R = d/\lambda$ (m ² K/W) 2,20 ÷ 4,40. See table Declared λ W/mK 0,036 | |
| | Durability characteristics DS(70,-) declared. The relative changes in thickness NPD DS(70,90) declared. The relative changes in thickness DS(70,90) | |
| Tensile strength | Tensile strength perpendicular to faces T _{ri} declared (kPa) TR15 | |
| Durability of compressive strength against ageing/degradation | Compressive creep CC(i1/i2) σ_c compressive creep declared X _{et} and X _t NPD | |

Thermal resistance R_D

| | | | | | | | | | |
|-------------------------------------|------|------|------|------|------|------|------|------|------|
| d (mm) | 80 | 90 | 100 | 110 | 120 | 130 | 140 | 150 | 160 |
| R _D (m ² K/W) | 2,20 | 2,50 | 2,75 | 3,05 | 3,30 | 3,60 | 3,85 | 4,15 | 4,40 |

8. The Characteristics of the product specified above correspond to the declared characteristics. This declaration of performance is issued in accordance with Regulation (EU) No 305/2011, under the responsibility of the manufacturer identified above.

13 February 2023
 General Director Joint Stock Company «GomelStroyMaterialy»

Stanislav Zheromski

Natural thermal insulation

BELTEP

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