

ROOF 50

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

1. Unique identification code of the product-type: **ROOF 50**
2. Intended use: **Thermal insulation products for buildings – Factory made mineral wool (MW) products. For uses subject to regulations on reaction to fire A1.**
3. Manufacturer: **Joint Stock Company «GomelStroyMaterialy» Republic of Belarus, 246010, Mogilevskaya str., 14, Gomel**
4. Authorized representative: -
5. System of attestation of conformity: **System 1, System 3**
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.

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 $\alpha_p(A_{Pi})$ and $\alpha_w(A_{Wi})$ 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_{Fi} declared NPD	
Direct airborne sound insulation index	Airflow resistivity A_{Fi} 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_{LP} (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_{ct} 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

JSC «GOMELSTROYMATERIALY»

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