



LIGHT EXTRA

MW-EN13162-T4-DS(70, 90) -WS-WL(P)-AW0,70-MU1

1. Unique identification code of the product-type: **LIGHT EXTRA**
2. Intended use: **Thermal insulation products for buildings (ThIB)**
3. Manufacturer: **Joint Stock Company «GomelStroyMaterialy» Republic of Belarus, Mogilevskaya str., 14, 246010 Gomel**
4. Authorized representative: -
5. System of attestation of conformity: **System 1**
6. Harmonized standard: **EN 13162:2012+A1:2015**
Notified certification body: **No. 1020 performed Certificate of constancy of performance No. 1020 –CPR-010022606**

Declared Performance			
Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard EN 13162:2012+A1:2015	Declared value
Reaction to fire	4.2.6 Reaction to fire	Euroclasses	A1
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	EU level not yet available	NPD
Acoustic absorption index	4.3.11 Sound absorption	α_p (APi) and α_w (AWi) declared	0,70
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	s' SD deklarowane	NPD
	4.3.10.2 Thickness, d_L	d_L and classes for thickness tolerances T6 lor T7	NPD
	4.3.10.4 Compressibility c	Cp <i>i</i> declared	NPD
	4.3.12 Airflow resistivity	AFr <i>i</i> declared	NPD
Direct airborne sound insulation index	4.3.12 Airflow resistivity	AFr <i>i</i> declared	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	EU level not yet available	NPD
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Thermal conductivity λ (W/mK)	0,035
		Thermal resistance $R = d / \lambda$ (m ² K/W)	1.40÷5,70 See tabel
	4.2.3 Thickness	Thickness range (mm) Ti class for thickness tolerance	50 - 200 T4
Water permeability	4.3.7.3 Short term water absorption	WS declared WP; kg/m ²	≤ 1
	4.3.7.2 Long term water absorption	WL(P) - declared W IP; kg/m ²	≤ 3
Water vapour permeability	4.3.8 Water vapour transmission	Declared μ_i ; (MU <i>i</i>) or Zi	MU1
Compressive strength	4.3.3 Compressive stress or compressive strength	CS(10) <i>i</i> or CS(10/Y) <i>i</i> declared (kPa)	NPD
	4.3.5 Point load	PL(5) <i>i</i> declared (N)	NPD
Durability of reaction to fire against heat, weathering, ageing\degradation	4.2.7 Durability characteristics	Euroclasses	A1
Durability of thermal resistance against heat, weathering, ageing\degradation	4.2.1 Thermal resistance and thermal conductivity	Declared $R = d / \lambda$ m ² K/W	See table Thermal resistance
		Declared λ W/mK	0,035
	4.2.7 Durability characteristics	DS(70) declared The relative changes in thickness	NPD
		DS(70,90) declared The relative changes in thickness	≤ 1
Tensile strength	4.3.4 Tensile strength perpendicular to faces	TRi declared (kPa)	NPD
Durability of c ompressive strength against ageing\degradation	4.3.6 Compressive creep	CC(i1/i2) δ_c compressive creep declared Xc <i>t</i> and Xi	NPD

Thermal resistance R_D

d (mm)	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
R _D m ² K/W	1,40	1,70	2,00	2,25	2,55	2,85	3,10	3,40	3,70	4,00	4,25	4,55	4,85	5,10	5,40	5,70

June 17th 2019
General Director Joint Stock Company «GomelStroyMaterialy»



Stanislav Zheromski