

## UNIVERSAL

## MW-EN13162-T4-DS(70, 90) -WS-WL(P)-AW0,85-MU1

1. Unique identification code of the product-type: UNIVERSAL  
 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	$\alpha_p(A_{Pi})$ and $\alpha_w(A_{Wi})$ declared	0,85															
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	$s'_i, S_{Di}$ declared	NPD															
	4.3.10.2 Thickness, $d_L$	$d_L$ and classes for thickness tolerances T6 lor T7	NPD															
	4.3.10.4 Compressibility $c$	$CP_i$ declared	NPD															
	4.3.12 Airflow resistivity	$AF_{ri}$ declared	NPD															
Direct airborne sound insulation index	4.3.12 Airflow resistivity	$AF_{ri}$ 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 $\lambda$ (W/mK)	0,035															
		Thermal resistance $R = d / \lambda$ ( $m^2K/W$ )	0,85÷5,70 See table															
	4.2.3 Thickness	Thickness range (mm) $T_i$ class for thickness tolerance	30 - 200 T4															
Water permeability	4.3.7.3 Short term water absorption	WS - declared $W_p$ ; $kg/m^2$	$\leq 1$															
	4.3.7.2 Long term water absorption	WL(P) - declared $W_{LP}$ ; $kg/m^2$	$\leq 3$															
Water vapour permeability	4.3.8 Water vapour transmission	Declared $\mu$ ; ( $MU_i$ ) or $Z_i$	MU1															
Compressive strength	4.3.3 Compressive stress or compressive strength	$CS(10)_i$ or $CS(10/Y)_i$ declared (kPa)	NPD															
	4.3.5 Point load	$PL(5)_i$ 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 $R = d / \lambda$ $m^2K/W$	See table Thermal resistance															
		Declared $\lambda$ 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	$\leq 1$															
Tensile strength	4.3.4 Tensile strength perpendicular to faces	$TR_i$ declared (kPa)	NPD															
Durability of compressive strength against ageing\degradation	4.3.6 Compressive creep	$CC(i1/i2) \sigma_c$ compressive creep declared $X_{ct}$ and $X_t$	NPD															
<b>Thermal resistance <math>R_D</math></b>																		
d (mm)	30	40	50	60	70	80	90	100	110	120	130	140	150	160	170	180	190	200
$R_D$ $m^2K/W$	0,85	1,10	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 Zeromski