

DECLARATION OF PERFORMANCE

No. MW/051C/CE/2025

1. Unique identification code of the product-type	MW/051C
2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11 (4) of the CPR	THERMOWOOL ROOF V OPTIMA 180 See product label
3. Intended use or uses of the construction product, in accordance with the applicable harmonized technical specification, as foreseen by the manufacturer	Thermal insulation for buildings (ThIB)
4. Name, registered trade name or registered trade mark and contact address of the manufacturer as required under Article 11 (5)	LLC «Plant «TECHNO» 18028 Ukraine, Cherkassy, Rizdvyana Street 300 ORIGIN: Ukraine Tel/fax: +38(0472)-71-97-97 techno@sweetondale.ua
5. Where applicable, name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12 (2)	Not relevant
6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V Harmonized standard	Systems 1 and 3 EN 13162:2012+A1:2015
7. Notified body No. 1023. Institut pro testování a certifikaci, a.s. třída Tomáše Bati 299, Louky, 763 02 Zlín Česká republika/Czech Republic tel/phone: +420 57760154	
8. Declared performance	Table 1 and Table 2

1. Table 1 MW-EN 13162-T5- DS (70,-)-DS(23,90)- CS(10)70-TR15-PL(5)700 -WS-WL(P)-MU1 RfF: A1

Essential Characteristics	Clauses in this and other European standard(s) related to essential characteristics	Harmonized standard: EN 13162:2012+A1:2015	Declared value
Thermal resistance	4.2.1 Thermal resistance and thermal conductivity	Declared R_D ($m^2 \cdot K/W$) and λ_D ($W/(m \cdot K)$) if possible	R_D : see Table 2 λ_D : 0,040
	4.2.3 Thickness	Declared d (mm) and T_i (-)	d : 30 - 100 T5
Reaction to fire	4.2.6 Reaction to fire	RfF (Euroclasses)	A1
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics ^{a)}	RfF (Euroclasses)	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R_D ($m^2 \cdot K/W$) and λ_D ($W/(m \cdot K)$) if possible ^{b)}	R_D : see Table 2 λ_D : 0,040
	4.2.7 Durability characteristics	Declared DS(70,-) ^{c)} Declared DS(23,90)	$\leq 1\%$ $\leq 1\%$
Compressive strength	4.3.3 Compressive stress or compressive strength	Declared CS(10)j (kPa)	70
	4.3.5 Point load	Declared PL(5)j (N)	700
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to the faces ^{d)}	Declared TRI (kPa)	15
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	Declared CC (t_1/t_2) (σ_c)	NPD
Water permeability	4.3.7.1 Short term water absorption	Declared WS (kg/m^2)	≤ 1
	4.3.7.2 Long term water absorption	Declared WL(P) (kg/m^2)	≤ 3
Water vapour permeability	4.3.8 Water vapour transmission	Declared MU <i>i</i> (-)	MU1
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	Declared SD <i>i</i> (MN/m^3)	NPD
	4.3.10.2 Thickness, d_t	Declared d_t (mm)	NPD
	4.3.10.4 Compressibility, c	Declared CP <i>i</i>	NPD
	4.3.12 Air flow resistivity	Declared AF <i>ri</i> ($kPa \cdot s/m^2$)	NPD
Acoustic absorption index	4.3.11 Sound absorption	Declared AW <i>i</i> (MH)	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	Declared AF <i>ri</i> ($kPa \cdot s/m^2$)	NPD
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	European test methods under development	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	European test methods under development	NPD

NPD – No Performance Determined; i – indicates relevant class of level or declared value

- 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) ^{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) ^{c)} – For dimensional stability thickness only.
 d) ^{d)} – This characteristic also covers handling and installation.

Table 2

d_N , mm	30	40	50	60	70	80	90	100	110
R_D , $m^2 \cdot K/W$	0,75	1,00	1,25	1,50	1,75	2,00	2,25	2,50	2,75

9. The performance of the product identified in points 1 and 2 is in conformity with the declared performance in point 8. This declaration of performance is issued under the sole responsibility of the manufacturer identified in point 4.

Signed for and on behalf of the manufacturer by:

General Director
 LLC «Plant «TECHNO». At Cherkassy on 17.01.2025



M. Oleg Khodakivskyi