DECLARATION OF PERFORMANCE

DoP-450-01-CPR-2024-07-29

EN (version-01)

1. Unique identification code of the product-type	450-01
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	**Izovat 100** 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)	OBIO LLC IZOVAT ® Zhytomyr, str. Promyslova, 6 e-mail: info@izovat.ua website: www.izovat.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 certification body No. 1020 - Technický a zkušební ústav stavební Praha, s. p., performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance No. 1020-CPR-010040380 for reaction to fire. Notified testing laboratory No. 1018.3 performed the test reports for the other relevant declared characteristics	
8. Declared performance	Table 1 and Table 2

Table 1 **MW-EN13162-T5-DS(70,90)-CS(10)20-TR10-MU1-WL(P)3-WS1**

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·K/W) and λ_D (W/(m·K) if possible	R_D: see Table 2 λ_D: 0,035
	4.2.3 Thickness	Declared d (mm) and Ti (-)	d: 20 - 30 T5
Reaction to fire	4.2.6 Reaction to fire	RtF (Euroclasses)	A1
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics [a]	RtF (Euroclasses)	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R_D (m^2·K/W) and λ_D (W/(m·K) if possible [b]	R_D: see Table 2 λ_D: 0,035
	4.2.7 Durability characteristics	Declared DS (70,90) [c]	≤ 1%
Compressive strength	4.3.3 Compressive stress or compressive strength	Declared CS(10)i (kPa)	20
	4.3.5 Point load	Declared PL(5)i (N)	NPD
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces [d]	Declared TRi (kPa)	10
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	Declared CC(i_1/i_2/y) 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 MUi (-)	MU1
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	Declared SDi (MN/m^3)	NPD
	4.3.10.2 Thickness, d_L	Declared d_L (mm)	NPD
	4.3.10.4 Compressibility, c	Declared CPi	NPD
	4.3.12 Air flow resistivity	Declared AFri ($kPa·s/m^2$)	NPD
Acoustic absorption index	4.3.11 Sound absorption	Declared AWi (MH)	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	Declared AFri ($kPa·s/m^2$)	NPD
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	European test methods are under development	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	European test methods are 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] - 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] - For dimensional stability thickness only.

[d] - This characteristic also covers handling and installation.

Table 2

d_N. mm	20	25	30
R_D, m^2·K/W	0,55	0,70	0,85

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.

Ukraine, 2024.07.29

Deputy Director «OBIO» LLC
M. Desna

DECLARATION OF PERFORMANCE

DoP-451-01-CPR-2024-07-29

CE

EN (version-01)

1. Unique identification code of the product-type	451-01
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	**Izovat 100** 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)	OBIO LLC IZOVAT ® Zhytomyr, str. Promyslova, 6 e-mail: info@izovat.ua website: www.izovat.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 certification body No. 1020 - Technický a zkušební ústav stavební Praha, s. p., performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance No. 1020-CPR-010040380 for reaction to fire. Notified testing laboratory No. 1018.3 performed the test reports for the other relevant declared characteristics	
8. Declared performance	Table 1

Table 1 **MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-PL(5)250-MU1-WL(P)3-WS1**

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·K) if possible	R_D: 1,10 λ_D: 0,035
	4.2.3 Thickness	Declared d (mm) and Ti (-)	d_N: 40 T5
Reaction to fire	4.2.6 Reaction to fire	RtF (Euroclasses)	A1
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics [a)]	RtF (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·K) if possible [b)]	R_D: 1,10 λ_D: 0,035
	4.2.7 Durability characteristics	Declared DS (70,90) [c)]	≤ 1%
Compressive strength	4.3.3 Compressive stress or compressive strength	Declared CS(10)i (kPa)	30
	4.3.5 Point load	Declared PL(5)i (N)	250
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces [d)]	Declared TRi (kPa)	10
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	Declared CC($i_1/i_2/y$) 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 MUi (-)	MU1
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	Declared SDi (MN/m^3)	NPD
	4.3.10.2 Thickness, d_L	Declared d_L (mm)	NPD
	4.3.10.4 Compressibility, c	Declared CPi	NPD
	4.3.12 Air flow resistivity	Declared AFri ($kPa \cdot s/m^2$)	NPD
Acoustic absorption index	4.3.11 Sound absorption	Declared AWi (MH)	NPD
Direct airborne sound insulation index	4.3.12 Air flow resistivity	Declared AFri ($kPa \cdot s/m^2$)	NPD
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	European test methods are under development	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	European test methods are 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)] - 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)] - For dimensional stability thickness only.

[d)] - This characteristic also covers handling and installation.

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.

Ukraine, 2024.07.29

Deputy Director «OBIO» LLC
M. Desna

DECLARATION OF PERFORMANCE

DoP-452-01-CPR-2024-07-29

EN (version-01)

1. Unique identification code of the product-type	452-01
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	**Izovat 100** 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)	OBIO LLC IZOVAT ® Zhytomyr, str. Promyslova, 6 e-mail: info@izovat.ua website: www.izovat.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 certification body No. 1020 - Technický a zkušební ústav stavební Praha, s. p., performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance No. 1020-CPR-010040380 for reaction to fire. Notified testing laboratory No. 1018.3 performed the test reports for the other relevant declared characteristics	
8. Declared performance	Table 1 and Table 2

Table 1 **MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-PL(5)250-MU1-AW0,70-WL(P)3-WS1**

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·K/W) and λ_D (W/(m·K) if possible	R_D: see Table 2 λ_D: 0,035
	4.2.3 Thickness	Declared d (mm) and Ti (-)	d: 50 - 90 T5
Reaction to fire	4.2.6 Reaction to fire	RtF (Euroclasses)	A1
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics [a]	RtF (Euroclasses)	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R_D (m^2·K/W) and λ_D (W/(m·K) if possible [b]	R_D: see Table 2 λ_D: 0,035
	4.2.7 Durability characteristics	Declared DS (70,90) [c]	≤ 1%
Compressive strength	4.3.3 Compressive stress or compressive strength	Declared CS(10)i (kPa)	30
	4.3.5 Point load	Declared PL(5)i (N)	250
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces [d]	Declared TRi (kPa)	10
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	Declared CC($i_1/i_2/y$) 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 MUi (-)	MU1
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	Declared SDi (MN/m^3)	NPD
	4.3.10.2 Thickness, d_L	Declared d_L (mm)	NPD
	4.3.10.4 Compressibility, c	Declared CPi	NPD
	4.3.12 Air flow resistivity	Declared AFri ($kPa·s/m^2$)	NPD
Acoustic absorption index	4.3.11 Sound absorption	Declared AWi (MH)	0,70
Direct airborne sound insulation index	4.3.12 Air flow resistivity	Declared AFri ($kPa·s/m^2$)	NPD
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	European test methods are under development	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	European test methods are 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] - 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] - For dimensional stability thickness only.

[d] - This characteristic also covers handling and installation.

Table 2

d_N, mm	50	60	70	80	90
R_D, m^2·K/W	1,40	1,70	2,00	2,25	2,55

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.

Ukraine, 2024.07.29

Deputy Director «OBIO» LLC
M. Desna

DECLARATION OF PERFORMANCE

DoP-453-01-CPR-2024-07-29

CE

EN (version-01)

1. Unique identification code of the product-type	453-01
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	**Izovat 100** 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)	OBIO LLC IZOVAT ® Zhytomyr, str. Promyslova, 6 e-mail: info@izovat.ua website: www.izovat.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 certification body No. 1020 - Technický a zkušební ústav stavební Praha, s. p., performed, carried out the determination of the product type, the initial inspection of the manufacturing plant and of factory production control and the continuous surveillance, assessment and evaluation of factory production control and issued the certificate of constancy of performance No. 1020-CPR-010040380 for reaction to fire. Notified testing laboratory No. 1018.3 performed the test reports for the other relevant declared characteristics	
8. Declared performance	Table 1 and Table 2

Table 1 **MW-EN13162-T5-DS(70,90)-CS(10)30-TR10-PL(5)300-MU1-AW0,90-WL(P)3-WS1**

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·K/W) and λ_D (W/(m·K) if possible	R_D: see Table 2 λ_D: 0,035
	4.2.3 Thickness	Declared d (mm) and Ti (-)	d: 100 - 240 T5
Reaction to fire	4.2.6 Reaction to fire	RtF (Euroclasses)	A1
Durability of reaction to fire against heat, weathering, ageing/degradation	4.2.7 Durability characteristics [a]	RtF (Euroclasses)	A1
Durability of thermal resistance against heat, weathering, ageing/degradation	4.2.1 Thermal resistance and thermal conductivity	Declared R_D (m^2·K/W) and λ_D (W/(m·K) if possible [b]	R_D: see Table 2 λ_D: 0,035
	4.2.7 Durability characteristics	Declared DS (70,90) [c]	≤ 1%
Compressive strength	4.3.3 Compressive stress or compressive strength	Declared CS(10)i (kPa)	30
	4.3.5 Point load	Declared PL(5)i (N)	300
Tensile/Flexural strength	4.3.4 Tensile strength perpendicular to faces [d]	Declared TRi (kPa)	10
Durability of compressive strength against ageing/degradation	4.3.6 Compressive creep	Declared CC($i_1/i_2/y$) 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 MUi (-)	MU1
Impact noise transmission index (for floors)	4.3.9 Dynamic stiffness	Declared SDi (MN/m^3)	NPD
	4.3.10.2 Thickness, d_L	Declared d_L (mm)	NPD
	4.3.10.4 Compressibility, c	Declared CPi	NPD
	4.3.12 Air flow resistivity	Declared AFri (kPa·s/m^2)	NPD
Acoustic absorption index	4.3.11 Sound absorption	Declared AWi (MH)	0,90
Direct airborne sound insulation index	4.3.12 Air flow resistivity	Declared AFri (kPa·s/m^2)	NPD
Release of dangerous substances to the indoor environment	4.3.13 Release of dangerous substances	European test methods are under development	NPD
Continuous glowing combustion	4.3.15 Continuous glowing combustion	European test methods are 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] - 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] - For dimensional stability thickness only.

[d] - This characteristic also covers handling and installation.

Table 2

d_N, mm	100	110	120	130	140	150	160	170	180	190	200	210	220	230	240
R_D, m^2·K/W	2,85	3,10	3,40	3,70	4,00	4,25	4,55	4,85	5,10	5,40	5,70	6,00	6,25	6,55	6,85

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.

Ukraine, 2024.07.29

Deputy Director «OBIO» LLC
M. Desna