

## DECLARATION OF PERFORMANCE

No. BP-23-12/15-EN

1. Unique identification code of the product type:

**BEWI ICF system, consisting of:**

**1) Standard kit:**

- a. **MC – main wall blocks**
- b. **ML – lintel blocks**
- c. **MP – ceiling blocks**

**2) PLUS kit:**

- a. **MC PLUS – main wall PLUS blocks**
- b. **MC PLUS \_K – corner wall PLUS blocks**

**3) Accessory parts:**

- a. **Plugs OB and OH**
- b. **Insert element OC**
- c. **Additional element**

2. Type, batch or serial number or any other element allowing identification of the construction product as required under Article 11(4) of the Construction Products Regulation (CPR):

**See product label**

3. Intended use or uses of the construction product, under the applicable harmonized technical specification, as foreseen by the manufacturer:

**Permanent insulated concrete formwork**

4. Name, registered trade name or registered trademark and contact address of the manufacturer as required under Article 11(5) of the CPR:

**UAB “Baltijos polistirenas”, S. Lozoraičio g. 15A, Garliava, Lithuania, LT-53229, Tel.: +370 37 551 423**

5. Where applicable, the name and contact address of the authorized representative whose mandate covers the tasks specified in Article 12(2) of the CPR:

**Not applicable**

6. System or systems of assessment and verification of constancy of performance of the construction product as set out in CPR, Annex V:

**System 2+**

7. In the case of the declaration of performance concerning a construction product covered by a European Assessment Document:

**Deutsches Institut für Bautechnik (DIBt) performed ETA-23/0358.**

8. Declared performance:

Essential characteristics		Performance and characteristics	European Assessment Document
Block dimensions, in mm	MC 50, ML 50, MP 50	1250 x 300 x 250 mm	EAD 340309-00-0305
	MC 100, ML 100, MP 100	1250 x 300 x 300 mm	
	MC 150, ML 150, MP 150	1250 x 300 x 350 mm	
	MC 200, ML 200, MP 200	1250 x 300 x 400 mm	
	MC 50 PLUS	1000 x 300 x 250 mm	
	MC 150 PLUS	1000 x 300 x 350 mm	
	MC 250 PLUS	1000 x 300 x 450 mm	
	MC 50 PLUS K	800 x 300 x 400 mm	
	MC 150 PLUS K	900 x 300 x 500 mm	
	MC 250 PLUS K	1000 x 300 x 600 mm	
	Additional element	1000 x 300 x 50 mm	
	Insert element OH	160 x 300 x 50 mm	
Plugs OB and OC	160 x 90 x 50 mm		
Thermal conductivity of expanded polystyrene (EPS), $\lambda_D$ EN 12667		$\leq 0.031$ W/(m·K)	
Thermal resistance, $R_D^*$ EN ISO 6946 EN ISO 10211	MC 50	3.193 m <sup>2</sup> ·K/W	
	MC 100	4.700 m <sup>2</sup> ·K/W	
	MC 150	6.240 m <sup>2</sup> ·K/W	
	MC 200	7.741 m <sup>2</sup> ·K/W	
	MC 50 PLUS, MC 50 PLUS K	3.090 m <sup>2</sup> ·K/W	
	MC 150 PLUS, MC 150 PLUS K	6.121 m <sup>2</sup> ·K/W	
	MC 250 PLUS, MC 250 PLUS K	9.151 m <sup>2</sup> ·K/W	
	ML 50	3.335 m <sup>2</sup> ·K/W	
	ML 100	4.864 m <sup>2</sup> ·K/W	
	ML 150	6.409 m <sup>2</sup> ·K/W	
	ML 200	7.912 m <sup>2</sup> ·K/W	
	MP 50	1.515 m <sup>2</sup> ·K/W**	
	MP 100	3.030 m <sup>2</sup> ·K/W**	
	MP 150	4.545 m <sup>2</sup> ·K/W**	
	MP 200	6.060 m <sup>2</sup> ·K/W**	
Additional, insert elements, plugs	1.515 m <sup>2</sup> ·K/W		
Compressive stress at 10% deformation of EPS, CS(10) EN 826		$\geq 150$ kPa	
Bending strength of EPS, BS EN 12089		$\geq 300$ kPa	
Tensile strength perpendicular to faces of EPS, TR EN 1607		$\geq 280$ kPa	
Long-term water absorption by total immersion of EPS, WL(T) EN ISO 16535		$\leq 4$ %	
Water vapour diffusion resistance factor $\mu$ of EPS EN 12086		70-120	

Essential characteristics	Performance and characteristics	European Assessment Document
Reaction to fire of EPS EN 13501-1	E	EAD 340309-00-0305
Classes of dimensional tolerances		
Length tolerances, L(2) EN 822	± 2 mm	
Width tolerances, W(2) EN 822	± 2 mm	
Thickness tolerances, T(1) EN 823	± 1 mm	

\* The thermal resistance has been determined by using a value of  $\lambda_D = 2.5 \text{ W/(m}\cdot\text{K)}$  for the concrete infill. Additional wetting of EPS in the non-ventilated envelope is considered.

\*\* declared value for the outer leaf, the resistance of the slab is omitted.

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

Signed for and on behalf of the manufacturer by  
Mantas Sakalauskas, Head of Operations  
Kaunas 2023 12 06

