

Declaration of Properties

č. IZO 013 02

Pursuant to Appendix III of EU Ordinance No. 305/2011 for the product:

- 1. Unique identification code of the product type:** IZOBLOK
- 2. Type, series or serial number or any other element allowing for identifying the construction products acc. to Cl. 11 par. 4:** IZOBLOK - 30/0/Z, 30/0/R, 25/0/Z, 25/0/R, 20/0/Z, 20/0/R, 15/0/Z, 15/0/R
- 3. Intended use or intended uses of the construction product in accordance with the corresponding harmonised technical specification according to the manufacturer's expectation:** Chip concrete shutter block with built-in thermal insulation according to CSN EN 15498.
- 4. Name, firm or registered trademark and contact address of the manufacturer according to Cl. 11 par. 5:** MFC - MORFICO s.r.o.
Olbrachtova 1758, 666 03 Tišnov, ČR
- 5. Possibly the name and contact address of the authorised representative, whose power of attorney applies to the tasks stated in Cl. 12 par. 2:** - - -
- 6. Construction products property persistence assessment and verification system or systems as stated in Appendix V:** System 4, the producer has a quality control system introduced and maintained according to CSN EN ISO 9001
- 7. In case of a declaration of properties related to a construction product, to which a harmonised standard applies:** Initial tests of the fire reaction class have been performed by AO No. 206 - PAVUS, a.s.
- 8. In case of a declaration of properties related to a construction product, for which ETA has been issued**

9. Properties Stated in the Declaration

	IZOBLOK 30/0/Z	IZOBLOK 30/0/R	IZOBLOK 25/0/Z	IZOBLOK 25/0/R	IZOBLOK 20/0/Z	IZOBLOK 20/0/R	IZOBLOK 15/0/Z	IZOBLOK 15/0/R
Basic characteristics								
Design guidelines								
Dimensions (l/w/h) mm	1000/300/250	1050/300/250	1000/250/250	820/320/250	1000/200/250	950/200/250	1050/150/250	1000/150/250
Dimension tolerances (l/w/h) mm	±5 / ±5 / ±3	±5 / ±5 / ±3	±5 / ±5 / ±3	±5 / ±5 / ±3	±5 / ±5 / ±3	±5 / ±5 / ±3	±5 / ±5 / ±3	±5 / ±5 / ±3
Dimension tolerances (cavity/recess) mm	±10 / -3	±10 / -3	±10 / -3	±10 / -3	±10 / -3	±10 / -3	±10 / -3	±10 / -3
Rib recess area	9350 mm ²	9350 mm ²	9350 mm ²	9350 mm ²	9350 mm ²	9350 mm ²	6800 mm ²	6800 mm ²
Humidity transformation	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Reaction to fire	Class B	Class B	Class B	Class B	Class B	Class B	Class B	Class B
Water vapour permeability	4,56 / NPD	4,56 / NPD	4,56 / NPD	4,56 / NPD	4,56 / NPD	4,56 / NPD	4,56 / NPD	4,56 / NPD
Mechanical strength								
- Rib tensile strength	0,22 N/mm ²	0,22 N/mm ²	0,208 N/mm ²	0,208 N/mm ²	0,159 N/mm ²	0,159 N/mm ²	0,112 N/mm ²	0,112 N/mm ²
- Sidewall bending strength	0,19 N/mm ²	0,19 N/mm ²	0,235 N/mm ²	0,235 N/mm ²	0,180 N/mm ²	0,180 N/mm ²	0,088 N/mm ²	0,088 N/mm ²
- Sidewall tensile strength perpendicular to the face plane	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Acoustic properties								
- Air soundproofing	55 dB	55 dB	53 dB	53 dB	51 dB	51 dB	48 dB	48 dB
- Sound absorbability	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Thermal properties								
- Thermal conductance	0,13/NPD W/m.K	0,13/NPD W/m.K	0,13/NPD W/m.K	0,13/0,040 W/m.K	0,13/NPD W/m.K	0,13/NPD W/m.K	0,13/NPD W/m.K	0,13/NPD W/m.K
- Thermal resistance of the ready wall	0,77 m ² .K.W-1	0,77 m ² .K.W-1	0,67 m ² .K.W-1	0,67 m ² .K.W-1	0,63 m ² .K.W-1	0,63 m ² .K.W-1	0,59 m ² .K.W-1	0,59 m ² .K.W-1
- Specific caloric receptivity	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD
Durability								
- Frost resistance	min. 25 cycles	min. 25 cycles	min. 25 cycles	min. 25 cycles	min. 25 cycles	min. 25 cycles	min. 25 cycles	min. 25 cycles
- Frost resistance with de-icing salt	NPD	NPD	NPD	NPD	NPD	NPD	NPD	NPD

* The value of the thermal resistance of a ready wall is determined in the ideal cross-section of the masonry (in the insulation point), without plasters.

10. The property of the product stated in points 1 and 2 is in conformity with the property stated in point 9. This declaration of properties is issued upon the exclusive responsibility of the producer stated in point 4.

Signed for the manufacturer and on his behalf:

Ing. Oldrich Fiala
Technical Manager



In Tisnov on 1 July 2013



MFC