

NATIONAL DECLARATION OF PERFORMANCE NO 2/II-EPS/2018

1. Name and trade name of the construction product.

Product set for the IZOFLEX wall cladding system - IZOFLEX-EPS system

2. Construction product type designation: Set II

3. Intended use or uses:

IZOFLEX Set II is intended for thermal insulation of exterior walls of newly erected buildings and in retrofit projects for buildings without thermal insulation. The product sets may be used on mineral substrates made of masonry elements (bricks, masonry units, stone, etc.) or concrete (cast in situ or imported as prefabricated elements) with or without a plaster layer. To be installed as per the manufacturer's instructions.

4. Name and address of the manufacturer's seat and place of product manufacture:
IZOTECHNIKA Sp. z o.o. ul. Limanowskiego 53, 47-300 Krapkowice

5. Name and seat address of the authorised representative, if appointed: Not applicable

6. National system used for assessment and verification of constancy of performance: 2+

7. National technical specifications:

7a. Polish Standard for the product: Not applicable

Name of accredited certification body, accreditation number and number of the national certificate or name of accredited laboratory(-ies) and accreditation number²⁾: Not applicable

7b. National Technical Assessment ITB-KOT-2018/0469 rev. 1 entitled: "Product sets for wall cladding and thermal insulation of exterior building walls using IZOFLEX system" issued on 21 May 2018

Technical Assessment Body/National Technical Assessment Body: Building Research Institute.

Name of accredited certification body, accreditation number and certificate number²⁾: **Building Research Institute, AC 020 Certificate ZKP No-020-UWB-0547/Z**

8. Declared performance

Essential properties of the construction product for the intended use(s)	Declared performance	Notes
Water absorption (capillary action) of the reinforcement layer, kg/m ² • after 1 h • after 24 h	<0.1 <0.4	
Water absorption (capillary action) of the top layer, kg/m ² • after 1 h • after 24 h	<0.1 <0.5	
Frost resistance of the top layer	no damage: cracks, chips, delamination or blistering	
Top layer adhesion to Styrofoam, Mpa, laboratory conditions	≥0.08	
Top layer adhesion to Styrofoam, Mpa, after ageing ¹	≥0.08	
Top layer adhesion to Styrofoam, Mpa, after frost resistance cycles	≥0.08	
Resistance to impact by a hard object, after ageing	Category II	
Relative diffusion resistance, m	≤2.0	
Thermal performance (thermal resistance and heat transfer coefficient	as per appendix C to ITB-KOT-2018/0469 rev. 1 entitled:	
Adhesion of adhesive mortar to concrete and of the product to thermal insulation, MPa:	as per AT-15-9090/2016	
Classification for fire spread through walls with fire operating on the outside ²⁾	Flame resistant	

1) ageing: 7 days in water and 7 days of drying

2) the classification applies to systems on non-flammable substrates of at least grade A2-s3,d0 reaction to fire, as per PN-EN 13501-1+A1:2010

9. Performance of the product specified above is consistent with all declared performance items listed in section 8. This national declaration of performance is issued under the Act on construction products of 16 April 2004 at the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer: Mariusz Koltuniec – commercial proxy, Krapkowice, 2 July 2018

NATIONAL DECLARATION OF PERFORMANCE NO 1/I-M/2018

1. Name and trade name of the construction product:

Product set for wall cladding using IZOFLEX system -
IZOFLEX Mineral Substrates.

2. Construction product type designation: Set I

3. Intended use or uses:

IZOFLEX Set I is intended for exterior wall cladding of newly erected and existing buildings (as retrofit). The product set may be used on mineral substrates made of masonry elements (bricks, masonry units, stone, etc.) or concrete (cast in situ or imported as prefabricated elements) with or without a plaster layer. To be installed as per the manufacturer's instructions.

4. Name and address of the manufacturer's seat and place of product manufacture:
IZOTECHNIKA Sp. z o.o. ul. Limanowskiego 53, 47-300 Krapkowice

5. Name and seat address of the authorised representative, if appointed: Not applicable

6. National system used for assessment and verification of constancy of performance: 2+

7. National technical specifications:

7a. Polish Standard for the product: Not applicable

Name of accredited certification body, accreditation number and number of the national certificate or name of accredited laboratory(-ies) and accreditation number²⁾: Not applicable

7b. National Technical Assessment ITB-KOT-2018/0469 rev. 1 entitled: "Product sets for wall cladding and thermal insulation of exterior building walls using IZOFLEX system" issued on 21 May 2018

Technical Assessment Body/National Technical Assessment Body: Building Research Institute.

Name of accredited certification body, accreditation number and certificate number²⁾: Building Research Institute, AC 020 Certificate ZKP No-020-UWB-0547/Z

8. Declared performance

Essential properties of the construction product for the intended use(s)	Declared performance	Notes
Relative diffusion resistance of tiles, S_d , m	≤ 0.4	
Surface water absorption coefficient for tiles, a, $\text{kg}/\text{m}^2 \cdot \text{h}^{0.5}$	≤ 0.05	
Dimensional stability of tiles, %, after 48h at 70°C, in terms of: - thickness - width - length	± 3.0 ± 0.2 ± 0.5	
Adhesion to concrete by pull-off, MPa: - in laboratory conditions - after frost resistance cycles	≥ 0.4 ≥ 0.4	
Resistance to Baronne's hammer impact: - weight of 500 g, dry - weight of 500 g, wet	tiles do not detach or spall	
Surface water absorption coefficient, $\text{kg}/\text{m}^2 \text{ day}^{0.5}$	≤ 0.1	
Ageing resistance, discolouration after radiation of $2\text{GJ}/\text{m}^2$	≥ 4	
Classification for fire spread through walls with fire operating on the outside ¹⁾	Flame resistance	

1) the classification applies to systems on non-flammable substrates of at least grade A2-s3,d0 reaction to fire, as per PN-EN 13501-1+A1:2010.

9. Performance of the product specified above is consistent with all declared performance items listed in section 8. This national declaration of performance is issued under the Act on construction products of 16 April 2004 at the sole responsibility of the manufacturer.

**Signed on behalf of the manufacturer: Mariusz Koltuniec – commercial proxy,
Krapkowice, 2 July 2018**

NATIONAL DECLARATION OF PERFORMANCE NO 03/2017

1. Name and trade name of the construction product:

IZOFLEX Set III

"Product set for wall cladding of exterior building walls using IZOFLEX-WM system

2. Construction product type designation: IZOFLEX-WM system

3. Intended use or uses:

IZOFLEX WM set III - extended, comprising IZOFLEX tiles, IZOFLEX-SK adhesive and IZOFLEX -GRUNT primer is intended for the installation—on non-flammable substrates of at least grade A2-s3,d0, as per PN-EN 13501-1+A1:2010, of top layer of thermal insulation for exterior walls made of mineral wool tiles, up to 30 cm thick, whose properties are at least MW EN 13162-T5-DS(70,-)- DS(70,90)-TR80-WS-WL(P)-MU1 and class A1 in terms of reaction to fire as per PN-EN 13501-1+A1:2010, and reinforcement layer made of adhesive ATLAS ROKER W-20, as per AT-15-2927/2014, and AKE 145 mesh, as per AT-15-7373/2013

4. Name and address of the manufacturer's seat and place of product manufacture:

IZOTECHNIKA Sp. z o.o. ul. Limanowskiego 53, 47-300 Krapkowice

5. Name and seat address of the authorised representative, if appointed: Not applicable

6. National system used for assessment and verification of constancy of performance: 2+

7. National technical specifications:

Technical approval No AT-15-9805/2016

entitled: "Product set for wall cladding of exterior building walls using IZOFLEX-WM system", issued in 2016 by the Building Research Institute at ul. Filtrowa 1, 00-611 Warsaw, Certificate ZKP 020-UWB-0547/Z Building Research Institute, Warsaw, ul. Filtrowa 1, AC 020

8. Declared performance

Essential properties of the construction product for the intended use(s)	Performance	Notes
Water absorption (capillary action) after 1 h, kg/m ² • reinforcement layer • top layer	≤0.10 ≤0.06	
Water absorption (capillary action) after 24 h, kg/m ² • reinforcement layer • top layer	≤0.5 ≤0.5	
Relative diffusion resistance, m	≤1	
Resistance to impact of aged samples, category	II	
Frost resistance of the top layer	Conforms	
Adhesion of top layer to mineral wool, MPa, after ageing tests in laboratory conditions, after frost resistance cycles and after ageing	≥0.08	
Classification for fire spread through walls with fire operating on the cladding side	Flame resistance	

9. Performance of the product specified above is consistent with all declared performance items listed in section 8. This national declaration of performance is issued under the Act on construction products of 16 April 2004 at the sole responsibility of the manufacturer.

Signed on behalf of the manufacturer: Mariusz Koltuniec – commercial proxy,

Krapkowice, 28 March 2017

revision 1