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**CENTRUM TECHNIKI OKRĘTOWEJ S.A.**  
OŚRODEK CERTYFIKACJI WYROBÓW

## **NATIONAL CERTIFICATE OF CONSTANCY OF PERFORMANCE No. 170-UWB-177**

In accordance with the Regulation of the Minister of Infrastructure and Construction of 17 November 2016 on the method of declaring the performance of construction products and the method of marking them with a construction product mark (Journal of Laws 2016, item 1966, as amended), this certificate refers to the construction product:

### **Interior fire resistant and/or smoke control doors of Janisol® 2-70, Janisol® 3 and Janisol® 3-70 systems**

intended to close openings in internal vertical partitions in order to prevent the spread of fire and heat radiation

with fire resistance class according to PN-EN 13501-2:2016

**El<sub>2</sub>30 (Janisol® 2-70),  
El<sub>2</sub>60 (Janisol® 3, Janisol® 3-70)**

with smoke control class according to PN-EN 13501-2:2016

**S<sub>a</sub>, S<sub>200</sub>**

**covered by the Polish Product Standard:**

**PN-EN 16034:2014-11**

marketed under the name or trademark of its manufacturer:

**RENE OSSENBLOK INTERNATIONAL**

**Nowe Żabno 18A, 67-100 Nowa Sól**

and manufactured in the production plant:

**RENE OSSENBLOK INTERNATIONAL**

**Nowe Żabno 18A, 67-100 Nowa Sól**

This certificate confirms that all the provisions of national system 1 for assessment and verification of constancy of performance in relation to the declared performance of the product in its intended use, as set out in this certificate, are applied and that the manufacturer has put in place a factory production control system to ensure that this performance is maintained.

The product is covered by the PN-EN 14351-2:2018 standard as part of the system 3 of assessment and verification of performance.

This certificate originally issued on 12.10.2020 remains valid provided that the applied Polish Product Standard, methods of assessment and verification of constancy of performance, the construction product itself and its manufacturing conditions do not change significantly, and that it is not suspended or withdrawn by an accredited product certification body.

*Magdalena Laskowska*

Head of Product Certification Centre CTO S.A.

**Performance characteristics of the product: fire resistant doors of Janisol 2-70, Janisol 3, Janisol 3-70 systems**

Essential characteristics	Requirements of PN-EN 16034:2014 standard	Level, class and/or description
Resistance to fire	4.1	EI <sub>2</sub> 30 (Janisol 2-70) EI <sub>2</sub> 60 (Janisol 3, Janisol 3-70)
Smoke control	4.2	S <sub>a</sub> , S <sub>200</sub>
Ability to release	4.3	not applicable
Self-closing	4.4	C
Durability of ability to release	4.5.1	not applicable
Durability of self-closing against degradation	4.5.2.1	class 5 (max. leaf weight 260 kg)
Durability self-closing against ageing (corrosion)	4.5.2.2	achieved

The performance characteristics following from the national standard PN-EN 14351-2:2018-12, as part of the system of assessment and verification of constancy of performance 3, should be derived from the national declaration of performance of the product manufacturer.

**Product description:**

Interior door, steel, profile, single leaf or double leaf, swinging, with transparent glazings or non-transparent panels, fire resistant and/or smoke control, with or without side and upper transom windows. Door leaves as well as transom windows may have horizontal, vertical and diagonal divisions.

The maximum external height of each door unit (made of black or galvanized steel profiles) with upper transom window, as well as with upper transom window and side transom window(s) is 4280 mm.

The maximum external height of each door unit (made of stainless-steel profiles) with upper transom window, as well as with upper transom window and side transom window(s) is 3960 mm.

External dimensions of the leaves of fire door units made of black or galvanized steel are: height 1800 ÷ 3000 mm, width 600 ÷ 1420 mm (single-leaf door) with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

External dimensions of the leaves of fire door units made of black or galvanized steel are: height 1800 ÷ 3000 mm, width of active leaf: 600 ÷ 1420 mm, width of passive leaf 270 ÷ 1420 mm (double-leaf door) with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

External dimensions of the leaves of fire door units Janisol 2-70 system made of stainless steel are: height 1880 ÷ 2515 mm, width: 600 ÷ 1420 mm (single-leaf door) with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

External dimensions of the leaves of fire door units Janisol 2-70 system made of stainless steel are: height 1880 ÷ 2515 mm, width of active leaf: 600 ÷ 1420 mm, width of passive leaf 535 ÷ 1420 mm (double-leaf door) with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

External dimensions of the leaves of fire door units Janisol 2-70 system made of black or galvanized steel are: height 1895 ÷ 2525 mm, width of active leaf: 625 ÷ 1255 mm, width of passive leaf: 625 ÷ 1255 mm (double-leaf door) with a two-point main lock.

The maximum external dimensions of the leaves of fire door units Janisol 2-70 system made of black or galvanized steel are: height 2615 mm, width: 1420 mm in case of single-leaf door with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

The maximum external dimensions of the leaves of fire door units Janisol 2-70 system made of black or galvanized steel are: height 3000 mm, width: 1420 mm in case of single-leaf door with a two-point main lock with upper bolt lock, or three-point lock.

The maximum external dimensions of the leaves of fire door units Janisol 2-70 system made of black or galvanized steel are: height 2615 mm, width of active leaf: 1420 mm, width of passive leaf: 1420 mm in case of double-leaf door with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

The maximum external dimensions of the leaves of fire door units Janisol 2-70 system made of black or galvanized steel are: height 3000 mm, width of active leaf: 1420 mm, width of passive leaf: 1420 mm in case of double-leaf door with a two-point main lock with upper bolt lock, or three-point lock.

The maximum external dimensions of the leaves of fire door units Janisol 3, Janisol 3-70 system made of black or galvanized steel are: height 2515 mm, width: 1420 mm in case of single-leaf door with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

The maximum external dimensions of the leaves of fire door units Janisol 3, Janisol 3-70 system made of black or galvanized steel are: height 2515 mm, width of active leaf: 1420 mm, width of passive leaf: 1420 mm in case of double-leaf door with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

External dimensions of the leaves of fire door units Janisol 2-70 system, jacket door version, made of black or galvanized steel are: height 1885 ÷ 2615 mm, width of leaf: 710 ÷ 1420 mm (single-leaf door) with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

External dimensions of the leaves of fire door units Janisol 2-70 system, jacket door version, made of black or galvanized steel are: height 1885 ÷ 2615 mm, width of active leaf: 710 ÷ 1420 mm, width of passive leaf: 605 ÷ 1420 mm, (double-leaf door with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock).

External dimensions of the leaves of fire door units Janisol 2-70 system, jacket door version, made of black or galvanized steel are: height 1885 ÷ 2510 mm, width of active leaf: 605 ÷ 1210 mm, width of passive leaf: 605 ÷ 1210 mm, (double-leaf door with a two-point main lock with a bolt below the main lock).

The maximum external dimensions of the leaves of smoke control door units Janisol 2-70 system, jacket door version, made of black or galvanized steel are: height 2615 mm, width of leaf: 1420 mm, in case of single-leaf door with a three-point lock.

The maximum external dimensions of the leaves of smoke control door units Janisol 2-70 system, jacket door version, made of black or galvanized steel are: height 2615 mm, width of active leaf: 1420 mm, width of passive leaf: 1420 mm, in case of double-leaf door with a single-point main lock and upper leaf bolt lock, with a two-point main lock with upper bolt lock, or three-point lock.

External dimensions of the leaves of fire door units Janisol 2-70, Janisol 3, Janisol 3-70 systems, made of black or galvanized steel with corner or inner door frames made of cold-formed profiles are: height 1575 ÷ 2100 mm, width of leaf: 575 ÷ 1100 mm (single-leaf door) with a two-point main lock with upper bolt lock, or three-point lock.

External dimensions of the leaves of fire door units Janisol 2-70, Janisol 3, Janisol 3-70 systems, made of black or galvanized steel with corner or inner door frames made of cold-formed profiles are: height 1575 ÷ 2100 mm, width of active leaf: 550 ÷ 1100 mm, width of passive leaf: 550 ÷ 1100 mm (double-leaf door with a two-point main lock with upper bolt lock, or three-point lock).

Frames, leaf frames, bars and thresholds are made of steel profiles. The doors are made with the use of structural profiles of thickness 60 mm (Janisol 3) or 70 mm (Janisol 2-70, Janisol 3-70) made of black, galvanized or stainless steel (all types) or stainless steel (Janisol 2-70), divided by composite spacers eliminating thermal bridges.

For fire protection / smoke protection door leaves the glazing of leaves class EI<sub>230</sub>, S<sub>a</sub>, S<sub>200</sub> is Pyrobel 16, Pyrobel 16 EG, Pyrostop 30-10, Pyrostop 30-20, Pyrostop 30-101, Contraflam 30, Contraflam 30-2, Polflam EI30 pane. They can be combined with other types of panes to form composite glazing (single- or double-chamber) or glued with PVB foil.

For fire protection / smoke protection door leaves the glazing of leaves class EI<sub>260</sub>, S<sub>a</sub>, S<sub>200</sub> is Pyrobel 25, Pyrostop 60-101, Contraflam 60, Polflam EI60 pane. They can be combined with other types of panes to form a composite glazing (single- or double-chamber) or glued with PVB foil.

For smoke protection door leaves the glazing of leaves class S<sub>a</sub>, S<sub>200</sub> is ESG pane and composite glass unit 5 ESG / OMS 6 ÷ 16 / 5 ESG, 6 ESG / OMS 6 ÷ 16 / 6 ESG, 44.2 / OMS 6 ÷ 16 / 44.2. ESG pane can be combined with other types of glazing to form a composite glazing (single- or double-chamber) or glued with PVB foil.

Contraflam 30, Contraflam 30-2, Pyrobel 16, Pyrobel 16 EG, Pyrostop 16-10, Pyrostop 30-20, Pyrostop 30-101, Polflam EI30 panes are used as transparent glazing in side and upper transoms of class EI<sub>230</sub>, S<sub>a</sub>, S<sub>200</sub> door units.

Contraflam 60, Pyrobel 25, Pyrobel 25 EG, Pyrostop 60-101, Pyrostop 60-201, Polflam EI60 panes are used as transparent glazing in side and upper transoms of class EI<sub>260</sub>, S<sub>a</sub>, S<sub>200</sub> door units.

Non-transparent panels of class EI<sub>230</sub>, S<sub>a</sub>, S<sub>200</sub> door units has minimum thickness 25.5 mm, while for door units of class EI<sub>260</sub>, S<sub>a</sub>, S<sub>200</sub>, the minimum thickness is 39.0 mm.

Non-transparent panels in side and upper transoms of class EI<sub>230</sub>, S<sub>a</sub>, S<sub>200</sub> door units has minimum thickness 25.5 mm, while for door units of class EI<sub>260</sub>, S<sub>a</sub>, S<sub>200</sub>, S<sub>a</sub> the minimum thickness is 37.5 mm.

The glazing is installed by means of system glazing steel strips with mounting seals made of EPDM, CR chloroprene rubber, ceramic fibres or alkaline earth silicate fibres.

A single ventilation grille with a cover with the maximum insert size of 600 × 300 mm, located at a maximum height of 500 mm from the lower edge of leaf or side transom frame may be fitted in the leaves and/or side transoms of EI<sub>230</sub> door units (without smoke control properties).

System rebate seals made of CR chloroprene rubber are fitted in the rebates of leaves and framing profiles.

Fire protection door leaves are fitted with at least 2 pcs of Jansen, Simonswerk or Dr Hahn welded or bolted hinges.

Detailed technical parameters and requirements for final classification can be found in the *Classification assessment of fire resistance and smoke tightness of single and double leaf door systems Janisol 2, Janisol 2-70, Janisol 3, Janisol 3-70, Janisol C3, Janisol C4 in accordance with PN-EN 13501-2:2016-07* (No 01586/18/R34NZP issued on 29.10.2018 by Building Research Institute).

**Intended use:**

To be used as internal doors for closing openings in walls where fire and/or smoke protection is required.

**Conditions of use:**

For installation in public buildings and other facilities.

Door units of class EI<sub>2</sub>30 (with or without smoke protection) can be installed in building elements of minimum resistance class EI30:

- made of ceramic or silicate brick with a thickness of not less than 150 mm,
- made of concrete or reinforced concrete with a thickness of not less than 150 mm,
- made of cellular concrete with a thickness of not less than 150 mm,
- made of steel, profile-type, of the following systems: VISS<sup>®</sup> Fire TV, VISS<sup>®</sup> Fire TVS, VISS<sup>®</sup> Fire DV, Janisol<sup>®</sup> 2, Janisol<sup>®</sup> 2-70, Janisol<sup>®</sup> 3, Janisol<sup>®</sup> 3-70, Janisol<sup>®</sup> C3, Janisol<sup>®</sup> C4, Janisol<sup>®</sup> C3PL, Janisol<sup>®</sup> C4PL, Janisol<sup>®</sup> C5,
- made of plasterboards type F or DF, Promatect-H, Promaxon type A or gypsum-fibre Fermacell type on grating made of steel profiles or wooden elements.

Door units of class EI<sub>2</sub>60 (with or without smoke protection) can be installed in building elements of minimum resistance class EI60:

- made of ceramic or silicate brick with a thickness of not less than 200 mm,
- made of concrete or reinforced concrete with a thickness of not less than 200 mm,
- made of cellular concrete with a thickness of not less than 200 mm,
- made of steel, profile-type, of the following systems: VISS<sup>®</sup> Fire TV, VISS<sup>®</sup> Fire TVS, VISS<sup>®</sup> Fire DV, Janisol<sup>®</sup> 3, Janisol<sup>®</sup> 3-70, Janisol<sup>®</sup> C3, Janisol<sup>®</sup> C4, Janisol<sup>®</sup> C3PL, Janisol<sup>®</sup> C4PL, Janisol<sup>®</sup> C5,
- made of plasterboards type F or DF, Promatect-H, Promaxon type A or gypsum-fibre Fermacell type on grating made of steel profiles or wooden elements.

*The validity of this certificate can be confirmed at [www.certyfikacje.com.pl](http://www.certyfikacje.com.pl).*