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

## **NATIONAL CERTIFICATE OF CONSTANCY OF PERFORMANCE No. 170-UWB-176**

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 without<sup>1)</sup>/with <sup>2)</sup> the possibility of use on escape routes of Janisol® 2 and Janisol® C4 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

**EI<sub>2</sub>30 (Janisol® 2 and Janisol® C4),  
EI<sub>2</sub>60 (Janisol® C4)**

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<sup>1)</sup>**

**or PN-EN 16034:2014-11 and PN-EN 14351-2:2018-12<sup>2)</sup>**

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.

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product itself and its manufacturing conditions do not change significantly, and that it is not suspended or withdrawn by an accredited product certification body.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 and Janisol C4 systems**

Essential characteristics	Requirements of PN-EN 16034:2014 <sup>1), 2)</sup> standard	Level, class and/or description
Resistance to fire	4.1	El230 (Janisol 2, Janisol C4) El260 (Janisol C4)
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
Essential characteristics	Requirements of PN-EN 14351-2:2018 <sup>2)</sup> standard	Level, class and/or description
Release of dangerous substances	4.2	meets national requirements
Impact resistance	4.3.1	cl. 3 (450 mm)
Height	4.4	as described below
Reaction to fire of components	4.5.1	cl. E (EPDM, CR and Kerafix 2000 seals)
Ability to release	4.10	meets the requirements of PN-EN 179/PN-EN 1125/PN-EN 1935

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 (applies to fire and/or smoke protection doors not to be used on escape routes).

**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 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 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 of Janisol 2 system made of black or galvanized steel with a two-point main lock with lower bolt lock are: height 1895 ÷ 2525 mm, width of active leaf: 6250 ÷ 1255 mm, width of passive leaf 625 ÷ 1255 mm (double-leaf door).

The maximum external dimensions of the leaves of smoke control door unit of Janisol 2 system made of black or galvanized steel are height 2615 mm, width 1420 mm or height 3000 mm, width 1420 mm (depending on the type of lock and the way of bolting single-leaf doors).

The maximum external dimensions of the leaves of smoke control door unit of Janisol 2 system made of black or galvanized steel are height 2615 mm, width of active leaf 1420 mm, width of passive leaf 1420 mm or height 3000 mm,



width of active leaf 1420 mm, width of passive leaf 1420 mm (depending on the type of lock and the way of bolting double-leaf doors).

The maximum external dimensions of the leaves of smoke control door units of Janisol C4 made of black or galvanized steel are: height 2515 mm, width 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.

The maximum external dimensions of the leaves of smoke control door units of Janisol C4 made of black or galvanized steel are: height 2515 mm, width of active door 1420 mm, width of passive door 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 of Janisol 2 system, "safe rebate" version, made of black or galvanized steel are: height 1900 ÷ 2540 mm, width: 650 ÷ 1290 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 of Janisol 2 system, "safe rebate" version, made of black or galvanized steel are: height 2000 ÷ 2670 mm, width of active leaf: 600 ÷ 1210 mm, width of passive leaf: 600 ÷ 1210 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 of Janisol 2 system, "jacket door" version, made of black or galvanized steel are: height 1885 ÷ 2615 mm, width: 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 of Janisol 2 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 or height 1885 ÷ 2510 mm, width of active leaf: 605 ÷ 1210 mm, width of passive leaf: 605 ÷ 1210 mm (depending on the type of lock and the way of bolting double-leaf doors).

The maximum external dimensions of the leaves of smoke control door unit of Janisol 2 system, "jacket door" version, made of black or galvanized steel are height 2615 mm, width 1420 mm (a single-leaf door) with a three-point main lock.

The maximum external dimensions of the leaves of smoke control door unit of Janisol 2 system, "jacket door" version, made of black or galvanized steel are height 2615 mm, width of active door 1420 mm, width of passive door 1420 mm (a 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 made of black or galvanized steel with corner or inner door frames made of cold-formed profiles are: height 1575 ÷ 2100 mm, width: 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 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 2) or 70 mm (Janisol C4) made of black, galvanized or stainless steel, divided by composite spacers eliminating thermal bridges.

For fire protection / smoke protection door leaves the glazing of leaves class EI230, Sa, S200 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 EI260, Sa, S200 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 Sa, S200 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 EI230, Sa, S200 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 EI260, Sa, S200 door units.

Non-transparent panel of class EI230, Sa, S200 door units has minimum thickness 25.5 mm, while for door units of class EI260, Sa, S200, the minimum thickness is 39.0 mm.

Non-transparent panel in side and upper transoms of class EI230, Sa, S200 door units has minimum thickness 25.5 mm, while for door units of class EI260, Sa, S200, Sa the minimum thickness is 37.5 mm.

For fire protection doors with the possibility of use on escape routes of class EI230 and EI260, the glazing of leaves, top panels, side panels is a composite glazing package consisting of the panes listed above and a pane meeting the requirements of the standard EN 179:2008 / EN 1125:2008, Annex A, Section A.8 (tempered or laminated glazing).

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 or Simonswerk 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/R34NZN issued on 29.10.2018 by Building Research Institute).

The maximum dimensions of fire and/or smoke protection doors used on escape routes result from the dimensions given above and depend on the type of door (fire protection, smoke protection) and the steel used (see above).

Fire resistant doors for use on escape routes are equipped with BKS panic closures complying with EN 1125:2008 or BKS emergency closures complying with EN 179:2008. The doors may be fitted with JANSEN or Simonswerk hinges complying with EN 1935:2002 and EN 1935:2002/AC:2003. Possible configurations of leaf sizes, types of closures, latches, actuation elements and hinges are according to report no. 11-001499-PR02 (PB-C01-03-de-06) issued on 07.12.2016 by ift Rosenheim.

**Intended use:**

To be used as internal doors for closing openings in walls where fire and/or smoke protection is required, with or without possibility of use on escape routes.

**Conditions of use:**

For installation in public buildings and other facilities.

Door units of class EI<sub>230</sub> (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 ® Fire TV, VISS ® Fire TVS, VISS ® Fire DV, Janisol ® 2, Janisol ® 2-70, Janisol ® 3, Janisol ® 3-70, Janisol ® C3, Janisol ® C4, Janisol ® C3PL, Janisol ® C4PL, Janisol ® 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>260</sub> (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 ® Fire TV, VISS ® Fire TVS, VISS ® Fire DV, Janisol ® 3, Janisol ® 3-70, Janisol ® C3, Janisol ® C4, Janisol ® C3PL, Janisol ® C4PL, Janisol ® 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).