

SlimLine 38 Doors

PRODUCT PASS

Date: **19-9-2022**

Language: **English**



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1 GENERAL EXPLANATION

The following paragraphs indicate the performances which can be declared on the Declaration of Performance (DoP) in accordance with Regulation (EU) no. 305/2011 of the European Parliament and of the Council of 9 March 2011.

The listed characteristics are the essential characteristics for external pedestrian doorsets according to hEN 14351-1:2006+A2:2016 Windows and doors - Product standard, performance characteristics - Part 1: Windows and external pedestrian doorsets.

All essential characteristics should be mentioned on the DoP. Where no performance is required, NPD (No Performance Declared) can be used.

The mentioned performances are performances which can be achieved for the given dimensions when the product is fabricated following the Reynaers instruction manual (catalogue). The performances as mentioned will meet the requirements of the majority of projects.

Higher performances for smaller dimensions or lower performances for larger dimensions might be possible. In this case contact your Reynaers office. For AWW performances, the maximum dimensions indicated in the system catalogue must be respected.

It is obviously allowed to declare lower performances than those mentioned in the product pass. E.g. when resistance to wind load of 1600 Pa was tested, also 1200 Pa can be declared.

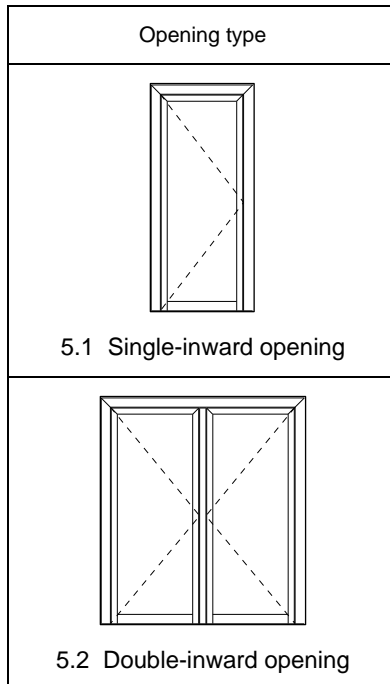
In the second part of the table the non-essential characteristics are indicated. These are the characteristics which give information about the performance of a product, but which are not legally required in any European country and thus not mandatory to declare.

2 NOTIFIED BODIES

| ID | Name | Address | Country |
|------|---|---|----------------|
| 0074 | CENTRE D'EXPERTISE DU BÂTIMENT ET DES TRAVAUX PUBLICS | Domaine De Saint-Paul – 102, Route de Limours 78471 Saint-Remy-Les-Chevreuse Cedex | France |
| 0432 | MATERIALPRÜFUNGSAMT NORDRHEIN-WESTFALEN | Auf den Thränen 2 59597 Erwitte | Germany |
| 0679 | CENTRE SCIENTIFIQUE ET TECHNIQUE DU BÂTIMENT | 84, Avenue Jean Jaurès Champs-sur-Marne F-77447 Marne-la-Vallée Cedex 2 | France |
| 0744 | SOCOTEC | Les Quadrants – 3,Avenue du Centre – Guyancourt 78182 St-Quentin en Yvelines | France |
| 0749 | BELGIAN CONSTRUCTION CERTIFICATION ASSOCIATION | Aarlenstraat 53 1040 Brussel | Belgium |
| 0757 | IFT ROSENHEIM | Theodor-Gietl-Strasse 7-9 83026 Rosenheim | Germany |
| 0845 | DANISH INSTITUTE OF FIRE AND SECURITY TECHNOLOGY | Jernholmen, 12 2650 Hvidovre | Denmark |
| 0960 | SKG-IKOB | Poppenbouwing 56 4191 NZ Geldermalsen | Netherlands |
| 1136 | BELGIAN BUILDING RESEARCH INSITUTE | Lombardstraat 42 1000 Brussel | Belgium |
| 1234 | EFFECTIS NEDERLAND | Brandpuntlaan Zuid 16, Postbus 554 2665 ZN Bleiswijk | Netherlands |
| 1288 | WINTech ENGINEERING LIMITED | Halesfield 2 Telford,Shropshire TF7 4QH | United Kingdom |
| 1309 | PRÜFINSTITUT SCHLÖSSER UND BESCHLÄGE, VELBERT | Wallstrasse 41 42551 Velbert | Germany |
| 1488 | INSTYTUT TECHNIKI BUDOWLANEJ | ul. Filtrowa 1 00-611 Warszawa | Poland |
| 1671 | PEUTZ | Lindenlaan 41, Molenhoek PO Box 66 6585 ZH MOOK | Netherlands |
| 1749 | TNO DEFENCE, SECURITY AND SAFETY | Lange Kleiweg 137, Postbus 45 2280 AA Rijswijk | Netherlands |
| 1769 | UNIVERSITY OF GENT | Sint-Pietersnieuwstraat 41 9000 Gent | Belgium |
| 2211 | INSTITUTO DE INVESTIGAÇÃO E DESENVOLVIMENTO TECNOLÓGICO PARA A CONSTRUÇÃO, ENERGIA, AMBIENTE E SUSTENTABILIDADE | Rua Pedro Hispano Pólo II da Universidade de Coimbra 3030-289 Coimbra | Portugal |

3 VARIANTS

Different variants have been grouped based on similar design and following the guidelines of the harmonised standard



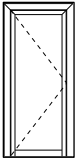
Remark: the pictures shown of the different bottom solutions do not always represent the real bottom solution for this series, but are just a general sketch to give an indication which type of bottom solution is meant.

4 EXPLANATIONS AND SYMBOLS

- H: Element Height
- B: Element Width
- Fh: Vent Height
- Fb: Vent Width
- npd: No Performance Declared
- CWFT: Classification Without Further Testing

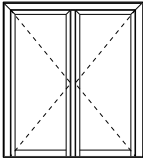
5 PERFORMANCE

5.1 Single-inward opening



| Characteristic | | Performance | Notified body - Report | Limits (mm) | | |
|--------------------------------------|-------|--|--|---|--|------------------|
| Essential characteristics | | | | | | |
| EN 14351-1 | 4.2 | Resistance to wind load | C3 (1200 Pa) | [0960] – 15.01142 [0960] – 22.00538 | FbxFh < 1300x2500 FbxFh < 1192x2463 | |
| | 4.5 | Watertightness | 4A (150 Pa) 5A (200 Pa) | [0960] – 15.01142 [0960] – 22.00538 | FbxFh < 1300x2500 FbxFh < 1192x2463 | |
| | 4.6 | Dangerous substances | In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used. | | | |
| | 4.7 | Impact resistance | npd | | | |
| | 4.8 | Load-bearing capacity of safety devices | npd | | | |
| | 4.9 | Height & width | See 6 | | | |
| | 4.11 | Acoustic performance | Glass: 45 (-2;-6) 40 (-1;-3) 50 (-3;-8) | Doors: 33 (0;-2) 35 (-1;-3) 38 (-1;-4) | [0960] – 16.00533 | FbxFh < 941x2334 |
| | 4.12 | Thermal transmittance | Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2. | | | |
| | 4.13 | Radiation properties | These properties must be evaluated by the CE-label of the glass | | | |
| | 4.14 | Air permeability | 3 2 | [0960] – 15.01142 [0960] – 22.00538 | FbxFh < 1300x2500 FbxFh < 1192x2463 | |
| Non-essential characteristics | | | | | | |
| EN 14351-1 | 4.4.1 | Reaction to fire | Anodized: A1 Painted: A2 Gaskets: E | EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6 | | |
| | 4.16 | Operating forces | 2 | [0960] – 22.00087 | FbxFh < 1100x2400 140 kg | |
| | 4.17 | Mechanical strength | npd | | | |
| | 4.18 | Ventilation | npd | | | |
| | 4.19 | Bullet resistance (BP version) | npd | | | |
| | 4.20 | Explosion resistance | npd | | | |
| | 4.21 | Resistance to repeated opening and closing | 6 (200.000) | [0960] – 22.00087 | FbxFh < 1100x2400 140 kg | |
| | 4.22 | Behaviour between different climates | npd | | | |
| | 4.23 | Burglar resistance (AP version) | WK2 / RC2 | [0960] – SKG.0837.0232.07 [0960] – 20.00366 | See report | |

5.2 Double-inward opening



| Characteristic | | Performance | | Notified body - Report | Limits (mm) | |
|--------------------------------------|-------|--|--|---|--|-------------------|
| Essential characteristics | | | | | | |
| EN 14351-1 | 4.2 | Resistance to wind load | C2 (800 Pa) | | [0960] – 18.01348 | FbxFh < 784x2291 |
| | 4.5 | Watertightness | 7A (300 Pa) | | [0960] – 18.01348 | FbxFh < 784x2291 |
| | 4.6 | Dangerous substances | In the materials delivered by Reynaers, no dangerous substances as indicated in hEN 14351-1 are used. | | | |
| | 4.7 | Impact resistance | npd | | | |
| | 4.8 | Load-bearing capacity of safety devices | npd | | | |
| | 4.9 | Height & width | See 6 | | | |
| | 4.11 | Acoustic performance | Glass: 40 (-1;-3) 45 (-2;-6) 50 (-3;-8) | Doors: 35 (-1;-3) 37 (-1;-3) 37 (0;-2) | [0960] – 16.00218 | FbxFh < 1310x2334 |
| | 4.12 | Thermal transmittance | Ud to be calculated in function of the project. Pre-calculated U-values for dimensions 1230x2180mm can be found in the Uf-value tables. Uf-values are calculated under certification of BCCA: certificate BPCB-420-72-10077/2. | | | |
| | 4.13 | Radiation properties | These properties must be evaluated by the CE-label of the glass | | | |
| | 4.14 | Air permeability | 4 | | [0960] – 18.01348 | FbxFh < 784x2291 |
| Non-essential characteristics | | | | | | |
| EN 14351-1 | 4.4.1 | Reaction to fire | Anodized: A1 Painted: A2 Gaskets: E | EC decision 96/603/EC certificate EFR-21-001664A [0432] – 230006500-6 | | |
| | 4.16 | Operating forces | npd | | | |
| | 4.17 | Mechanical strength | npd | | | |
| | 4.18 | Ventilation | npd | | | |
| | 4.19 | Bullet resistance (BP version) | npd | | | |
| | 4.20 | Explosion resistance | npd | | | |
| | 4.21 | Resistance to repeated opening and closing | npd | | | |
| | 4.22 | Behaviour between different climates | npd | | | |
| | 4.23 | Burglar resistance (AP version) | WK2 / RC2 | | [0960] – SKG.0837.0232.07 [0960] – 20.00366 | See report |

6 RULE FOR DEFINITION OF CLEAR OPENING HEIGHT AND WIDTH

The clear opening height g and clear opening width a are defined as indicated in following sketches out of EN 12519:2004.

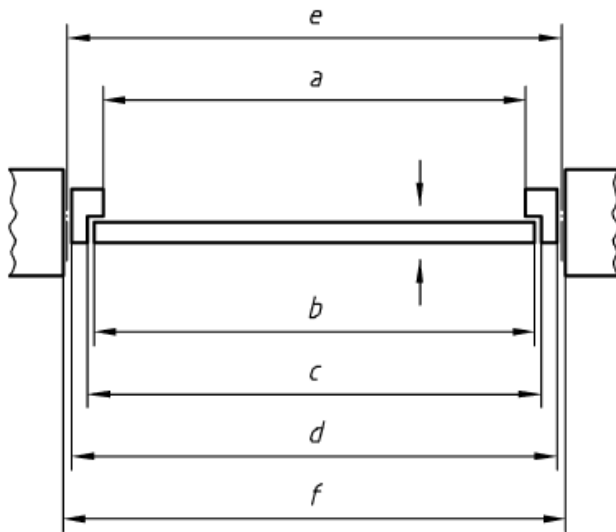


Figure 1/Figure 1/Bild 1

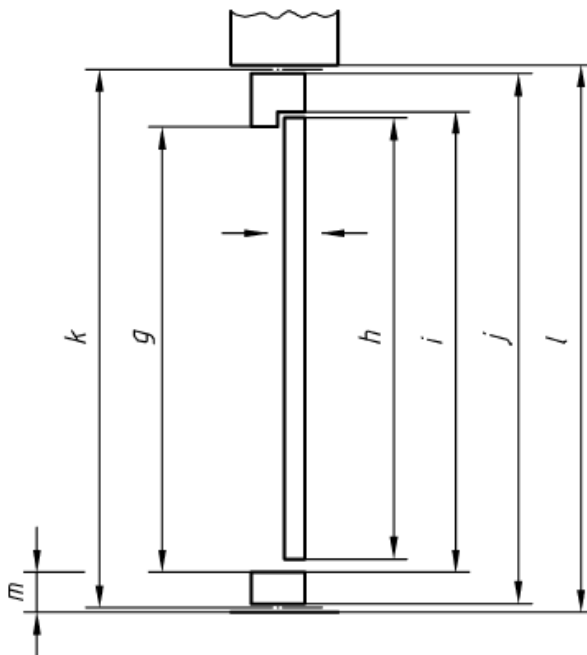


Figure 2/Figure 2/Bild 2

UPDATES

19/9/2022

| | VARIANTS | Characteristic |
|----------|----------|------------------|
| 22.00538 | 5.1 | 4.2 – 4.5 – 4.14 |
| 22.00087 | 5.1 | 4.16 – 4.21 |