

# Evidence of performance

Burglar Resistance

## Expert Statement

N° 17-002216-PR06

(GAS-D02-0511-en-05)



Client	dormakaba Deutschland GmbH DORMA Platz 1 58256 Ennepetal Germany
Product	Burglar resistant automatic sliding door system
Designation	ST PRO Green RC2
Overall dimensions (W x H)	different (see type list)
(Frame) Material	Aluminium profiles with thermal break, dormakaba profile system ST PRO Green, operator profiles ES PROLINE
Attack side	Outside of building Sliding door, horizontally sliding, double leaf / single leaf, with/without glazed panels,
Type of opening	with/without glazed top lights 2- / 3- / 4-part
Glazing	P4A according to DIN EN 356 Multi-point locking system manufacturer CARL FUHR GmbH & Co. KG, System FUHR multitronic 881 with 5x swing bolts type 5-00-794-02 according to DIN 18251 class 4; Manual release dormakaba item n°258133 with tubular frame mortise lock 299, profile cylinder according to DIN 18252 P2 BZ; Manual release via Bowden cable dormakaba item n°2 58200; continuous strike plate; continuous hooking bar; continuous floor guide, 4 security hinge bolts per moving leaf
Hardware	(1 pc per bearing)

### Basis

DIN EN 1627 : 2011

Pedestrian doorsets, windows, curtain walling, grilles and shutters – Burglar resistance - Requirements and classifications

DIN EN 1628 : 2011

DIN EN 1629 : 2011

DIN EN 1630 : 2011

### Test report:

17-002216-PR01 dated

14.05.2020

17-002216-PR02 dated

14.05.2020

Expert Statement 17-002216-PR06 (GAS-D02-0511-de-06) dated 21.03.2022

Design worksheets

Annex 1, pages 1 to 74

Replaces Expert Statement 17-002216-PR06 (GAS-D02-11-en-04) dated 05.01.2022

### Validity

Testing for burglar resistance does not allow any statement to be made on any further characteristics regarding performance and quality of the constructions presented.

Validity of the expert statement expires with expiry of any one of the above items referred to as basis (standard or test reports)

Burglar resistance according to DIN EN 1627 : 2011



RC 2 / RC 2 N\*)

\*) Based on the test report mentioned under basis and supplementary data resulting from modifications

ift Rosenheim

21.03.2022

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### Notes on publication

The ift-Guidance Sheet "Advertising with ift test documents" applies.

The cover sheet including the type list can be used as an abstract.

### Contents

The expert statement contains a total of 84 pages

Cover sheet

Type list

Expert statement

1 Order

2 Basis

3 Evaluation

4 Results and statement

Annex 1 (74 pages)

**Type list**

N°	Tested type	Design variations approved by expert statement	Evidence / reports Requirements
1.	<p>Burglar resistant automatic sliding door system, double leaf with panels and tripartite top lights as through assembly in resistance class RC2 according to DIN EN 1627 : 2011</p> <p>Burglar resistant automatic sliding door system, single leaf without panels as wall assembly in resistance class RC2 according to DIN EN 1627 : 2011</p>	<p><b>Element combinations</b></p> <p>Design of elements as single leaf and double leaf sliding door systems optional with or without panels, with or without top light (top light glazed in 2-part / 3-part / 4-part version), with or without horizontal transom with high of drive 100 or 150 mm</p> <p>Assembly designed as wall mounting through assembly Installation in transom-mullion-constructions, tested as burglar-resistant component of resistance class RC 2 or higher with position of profiles / fittings in mullion or transom area</p>	<p>Test report n° 17-002216-PR01 dated 14.05.2020</p> <p>17-002216-PR02 dated 14.05.2020</p>
2.	<p>Burglar resistant automatic sliding door system, double leaf with leaf dimensions of 1,408.5 x 2,798 mm in resistance class RC2 according to DIN EN 1627 : 2011</p> <p>Burglar resistant automatic sliding door system, single leaf with leaf dimensions of 817 x 2,798 mm in resistance class RC2 according to DIN EN 1627 : 2011</p>	<p><b>Dimensions</b></p> <p>Design of elements in the following leaf dimensions</p> <p>double leaf: width 1,000 mm - 3,000 mm height 2,050 – 3,100 mm max. moving leaf weight 2x 200 kg</p> <p>single leaf: width 700 mm - 3,000 mm (for clear opening width &gt;1,500 mm with 3<sup>rd</sup> bearing, positioned on center of moving leaf) height 2,050 – 3,100 mm max. moving leaf weight 1x 250 kg</p> <p>The orientation of the glass pane is freely selectable. The glass structure is identical like the tested variants.</p>	<p>Test report n° 17-002216-PR01 dated 14.05.2020</p> <p>17-002216-PR02 dated 14.05.2020</p>
3.	<p>Burglar resistant automatic sliding door system, double leaf with swivel bolt lock in resistance class RC2 according to DIN EN 1627 : 2011</p>	<p><b>Hardware</b></p> <p>Design of elements with following hardware components:</p> <p>Multi-point locking mechanism System FUHR multitronic 881 with 5x swing bolts type 5-00-794-02 according to DIN 18251 class 4;</p>	<p>Test report n° 17-002216-PR01 dated 14.05.2020</p>

## Type list

N°	Tested type	Design variations approved by expert statement	Evidence / reports Requirements
	Burglar resistant automatic sliding door system, single leaf with swivel bolt lock in resistance class RC2 according to DIN EN 1627 : 2011	<p>Manual release dormakaba item n°258133 with tubular frame mortise lock 299 and profile cylinder according to DIN 18252 P2 BZ;</p> <p>Manual release via Bowden cable dormakaba item n°258200;</p> <p>continuous strike plate; continuous hooking bar; continuous floor guide, 4 security hinge bolts per moving leaf (1 pc per bearing)</p>	17-002216-PR02 dated 14.05.2020
4.	<p>Burglar resistant automatic sliding door system, double leaf with different glazing types and different adhesives in resistance class RC2 according to DIN EN 1627 : 2011</p> <p>Burglar resistant automatic sliding door system, single leaf with triple insulating glass unit, glued with WT480 in resistance class RC2 according to DIN EN 1627 : 2011</p>	<p><b>Infillings</b></p> <p>Design of elements with following glazing types:</p> <p>P4A double insulation glazing with a thickness of 33 / 35 mm (33.52 mm / 35.52 mm)</p> <p>P4A triple insulation glazing with thicknesses of 47 / 49 / 50 mm (47.52 mm / 49.52 mm / 50.52 mm)</p> <p>Design of securing the fixing of glazing with following adhesives:</p> <ul style="list-style-type: none"> <li>- Sikaflex-221</li> <li>- Sikasil WT-66</li> <li>- Sikasil WT-480</li> </ul>	<p>Test report n° 17-002216-PR01 dated 14.05.2020</p> <p>17-002216-PR02 dated 14.05.2020</p>
5.	<p>Burglar resistant automatic sliding door system, double leaf with different glazing types and different adhesives in resistance class RC2 according to DIN EN 1627 : 2011</p> <p>Burglar resistant automatic sliding door system, single leaf with triple insulating glass unit, glued with WT480 in resistance class RC2 according to DIN EN 1627 : 2011</p>	<p><b>Alternative profile variant</b></p> <p>Design of single leaf elements with following profile variants at the secondary closing edge:</p> <ul style="list-style-type: none"> <li>- Vertical profile moving leaf: 32556500120 in conjunction with vertical profile panel: 32556400120 or with coupling profile (wall) 32556600120 (screw connection distance max. every 300 mm)</li> <li>- Vertical profile moving leaf 32555400120 in conjunction with coupling profile 32553700120 and vertical profile panel 32555000120 in conjunction with coupling profile 32553700120</li> </ul> <p>or</p>	<p>Test report n° 17-002216-PR01 dated 14.05.2020</p> <p>Test report n° 17-002216-PR02 dated 14.05.2020</p> <p>Test report n° 17-002216-PR08 dated 12.02.2021</p>

**Type list**

N°	Tested type	Design variations approved by expert statement	Evidence / reports Requirements
	Burglar resistant automatic sliding door system, single leaf with triple insulating glass unit, in resistance class RC3 with coupling profile 2556600120	wall connecting profiles 32553800120 in conjunction with coupling profile 32553700120	
6.	Burglar resistant automatic sliding door system, double leaf with wall connection profile 325536 with clips profile 325461 in resistance class RC2 according to DIN EN 1627 : 2011	<p><b>Alternative wall connection profile</b></p> <p>Execution of wall connection of fixed elements, such as side panel and top light with the following profile variants:</p> <p>Wall connecting profiles 325536 in combination with wall connecting profile clips 325461</p> <p>or</p> <p>Wall connecting profile, one-piece 325578</p> <p>Note: The fixing screws to the masonry must be secured against unscrewing, e.g. by means of a spot weld.</p> <p>The compression resisting packing must be ensured at the leg of the fixing screw to the masonry, as well as in the area of the frame profile to the reveal.</p>	Test report n° 17-002216-PR01 dated 14.05.2020

End of type list.