

BBRI
Belgian Building Research Institute

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DE-CAR-0241
CAR-19-259-04

Burglar Resistance of surface mounted louvres type 431RC2
Conformity report

Images 1 to 3 are available upon specific request.

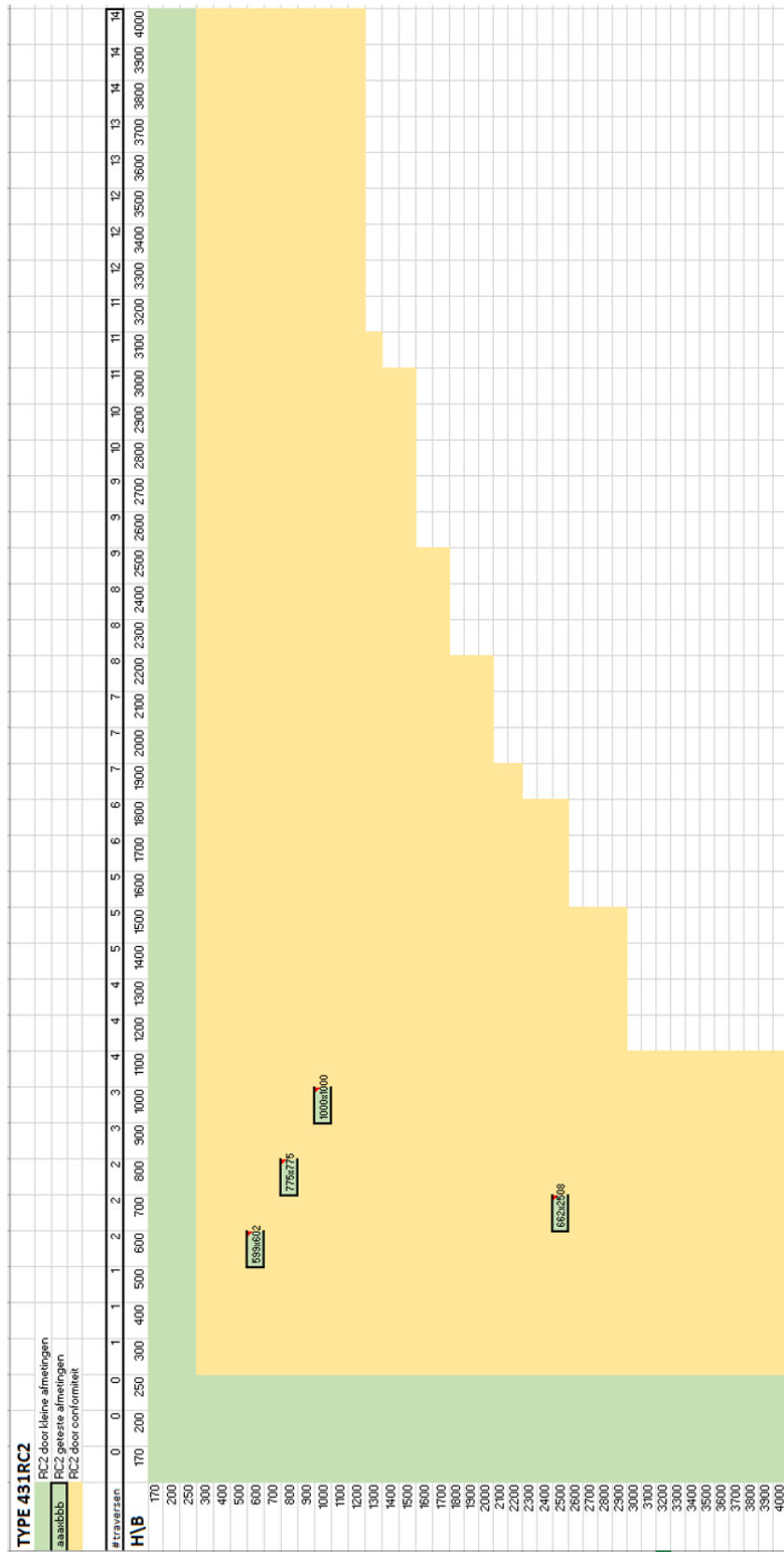


Figure 4 - Surface mounted louvre type 431RC2 - Dimensions range

Burglar Resistance of build-up vents type 431 RC2

Conformity report

1. INTRODUCTION

At request of Renson Ventilation NV, represented by Mr. Ludo Ghijs, the BBRI carried out the following conformity reports on basis of tests performed in order to determine the burglar resistance of several build-up vents type 431 RC2 in accordance with EN 1627 (May 2011) and EN 1628:2011+A1 to 1630:2011+A1 (December 2015). This conformity report has the reference CAR-19-259-04.

2. REFERENCES

2.1 STANDARD REFERENCES

- [1] EN 1627 «Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Requirements and classification» - May 2011
- [2] EN 1628:2011+A1 «Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under static loading»
December 2015
- [3] EN 1629:2011+A1 «Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance under dynamic loading»
December 2015
- [4] EN 1630:2011+A1 «Pedestrian doorsets, windows, curtain walling, grilles and shutters - Burglar resistance - Test method for the determination of resistance to manual burglary attempts»
December 2015

2.2 TEST REPORTS REFERENCE

- [5] Burglar Resistance Test Report CAR 15064/2, April 2015
Build-up vent Renson 431 RC2 (699mm x 602mm)
- [6] Burglar Resistance Test Report CAR 10110/2, July 2010
Build-up vent Renson 431 RC2 (775mm x 775mm)
- [7] Burglar Resistance Test Report CAR 11004/3, April 2011
Build-up vent Renson 431 RC2 (1000mm x 1000mm)



- [8] Burglar Resistance Test Report CAR 15064/3, April 2015
Build-up vent Renson 431 RC2 (662mm x 2508mm)
- [9] Burglar Resistance Test Report CAR19259, February 2020
Build-up vent Renson 431 RC2 (506mm x 356mm)

3. CONFORMITY

After a detailed analysis of window louvre 431 RC2 (Figure 1 to Figure 3) and the tested configurations, the following conclusions can be made provided that each element is designed and mounted as described in the test reports [5] to [9] (i.e. with the same component material, the same number of mullions (Figure 1), the same fixation type, the same maximum distance between the fixations and the corners of the element and the adjacent fixation as the correspondent biggest distance on the tested element, ...) excepted otherwise mentioned in this report.

In these conditions, we could establish that the window louvres Renson 431 RC2 with dimensions varying from 170 mm to 4000 mm in width and in height (Figure 4) and mounted as described in the test reports [5] to [9] are also burglar resistant in accordance with the class RC 2 of the EN 1627:2011.



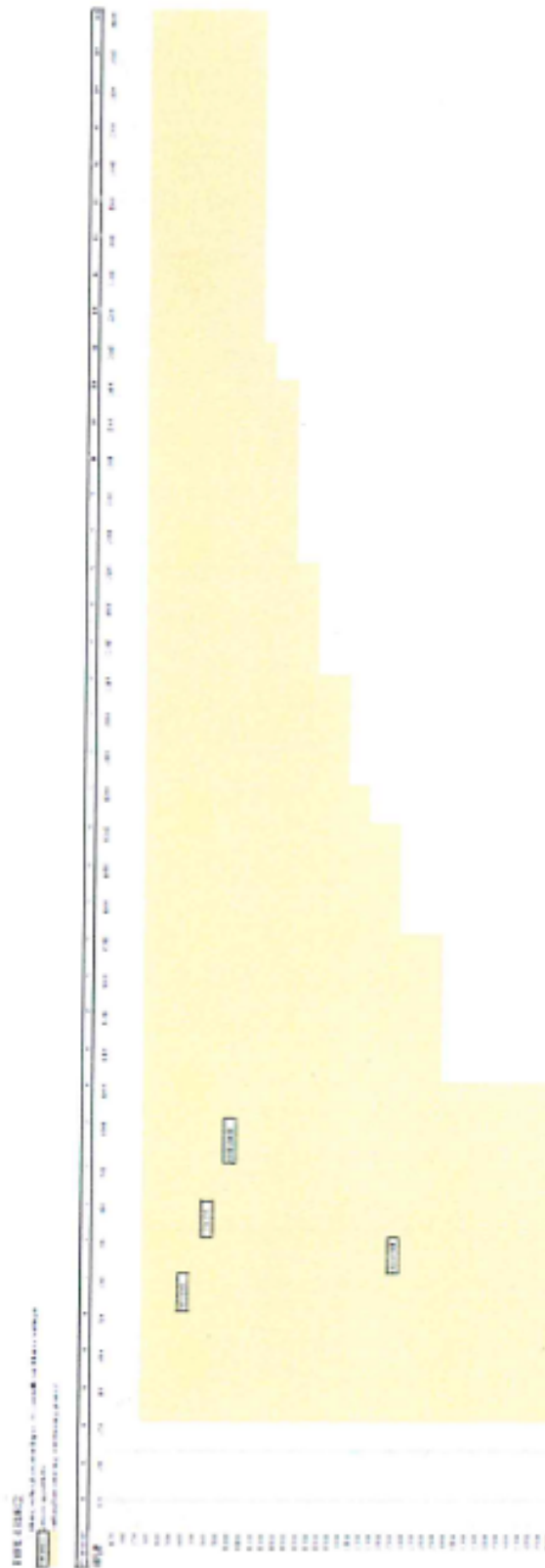


Figure 4 – Build-up vent type 431 RC2 – Dimensions range

