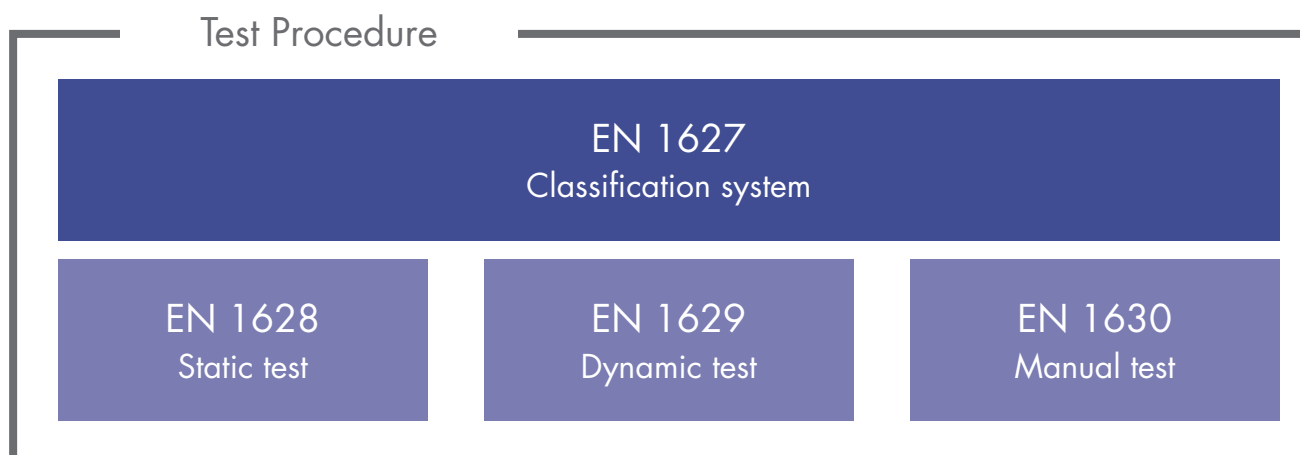


## Concerning standards EN 1627 – EN 1630

The standards EN 1627 up to and including EN 1630, classify burglar resistance of façade elements.



## From prEN to EN

In September 2011, the standard EN 1627 was released, after a period of 12 years with the pre-standard.

- There is no change to the fundamental 6-stage classification system.
- There is a change in the designation of the resistance class.

**In EN 1627:2011, the designation of the resistance classes is unified to “RC” in all languages.**

Below table indicates the prior and current denotation.

	<b>prEN 1627:1999</b>	<b>EN 1627:2011</b>
Resistance class	RC	RC
Widerstandsklasse	WK	RC
Weerstandsklasse	WK	RC
Classe de résistance	CR	RC

## Conformity

The BBRI (Belgian Building Research Institute) carried out tests on Renson louvres and window vents, in order to determine the burglar resistance prior to 2011 and in accordance to prEN 1627 up to and including prEN 1630.

In the conformity report issued by the BBRI, the BBRI could establish that the element tested according to the prEN 1627 up to and including prEN 1630 (version 2008 and of May 2009) **are also burglar resistant in accordance with the “RC” classification of the EN 1627:2011.**

*Annex Conformity report “prEN 1627 to 1630 vs EN 1627 to 1630” : CAR 14381-EN.*

## prEN 1627 to 1630 vs EN 1627 to 1630

### Conformity report

#### 1. INTRODUCTION

At request of Renson NV, represented by Mr. Frederik Losfeld, the BBRI carried out the following conformity report on basis of tests performed in order to determine the burglar resistance of wall louvres and window vents in accordance with prEN 1627 to 1630 (December 2008 / May 2009). This conformity report has the reference CAR 14381-EN.

#### 2. REFERENCES

##### 2.1 STANDARD REFERENCES

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

##### 2.2 TEST REPORTS REFERENCE

- [5] Burglar Resistance Test Report CAR 9145/1, August 2009  
Wall Louvre Renson 431WK2, welded blades, mounting with not removable screws (800mm x 600mm), resistance class 2
- [6] Burglar Resistance Test Report CAR 9145/2, August 2009  
Wall Louvre Renson 411WK2 with reinforced blades and threaded rod, frame screwed on side (800mm x 480 mm), resistance class 2
- [7] Burglar Resistance Test Report CAR 9145/3, August 2009  
Wall Louvre Renson 421WK2 with burglar resistant net, frame screwed on side (800 mm x 500 mm), resistance class 2
- [8] Burglar Resistance Test Report CAR 9145/4, August 2009  
Window vent Renson AR75/28 (L = 1230 mm), resistance class 2
- [9] Burglar Resistance Test Report CAR 9145/5, August 2009  
Window vent Renson Invisivent 65-79 (L = 1230 mm), resistance class 2

- [10] Burglar Resistance Test Report CAR 10110/1, July 2009  
Wall Louvre Renson 421WK2, inox rods  $\varnothing$  8 mm, with brackets (980 mm x 600 mm), resistance class 2
- [11] Burglar Resistance Test Report CAR 10110/2, July 2009  
Wall Louvre Renson 431WK2 (775 mm x 775 mm), resistance class 2
- [12] Burglar Resistance Test Report CAR 10232, October 2010  
Wall Louvre Renson 421WK2, aluminium rods  $\varnothing$  10 mm, with brackets (980 mm x 600 mm), resistance class 2
- [13] Burglar Resistance Test Report CAR 11004/1, April 2011  
Wall Louvre Renson 421WK2, aluminium rods  $\varnothing$  10 mm, with brackets (980 mm x 1000 mm), resistance class 2
- [14] Burglar Resistance Test Report CAR 11004/2, August 2009  
Wall Louvre Renson 421WK2 without flange, aluminium rods  $\varnothing$  10 mm, with brackets (980 mm x 600 mm), resistance class 2
- [15] Burglar Resistance Test Report CAR 11004/3, August 2009  
Wall Louvre Renson 431WK2 (1000 mm x 1000 mm), resistance class 2

### 3. CONFORMITY

After a detailed analysis of the several tested wall louvres and window vents configurations ([5] to [15]) and a comparison of prEN 1627 to 1630 (versions of August 2008 and of May 2009) with respectively EN 1627 to 1630 ([1] to [4]), the following conclusions can be made provided that each element is designed as described in the test reports [5] to [15].

In these conditions, we could establish that these elements tested according to the prEN 1627 to 1630 (versions August 2008 and of May 2009) are also burglar resistant in accordance with the class RC 2 of the EN 1627:2011.