

Classification of uPVC Windows

The classification of the suitability of uPVC windows is done based on the following system and test methods:

Physical Property	Classification										
Resistance to Wind Load											
Class		1	2	3	4	5	E				
Test Pressure	Pa	400	800	1200	1600	2000	>2000				
Class		A		B		C					
Bending of Frame		<1/50		<1/200		<1/300					
Water Tightness											
Unprotected											
Class		1A	2A	3A	4A	5A	6A	7A	8A	9A	E
Test Pressure	Pa	0	50	100	150	200	250	300	450	600	>600
Protected											
Class		1B	2B	3B	4B	5B	6B	7B			
Test Pressure	Pa	0	50	100	150	200	250	300			
Air Permeability											
Class		1	2	3	4						
Test Pressure	Pa	150	300	600	600						

1. Categories of Water Tightness according to EN 12208

Test Pressure Pa	Class EN 12208	Spraying Time Minutes
0	1	15
50	2	20
100	3	25
150	4	30
200	5	35
250	6	40
300	7	45
450	8	50
600	9	55

2. Categories of Air Permeability according to EN 12207

Class	Test Pressure	Max Air Permeability	
	Pa	Sealing m ³ /h/m	Window Area m ³ /h/m ²
1	150	12.5	50
2	300	6.75	27
3	600	2.25	9
4	600	0.75	3