

6 Summary of test results

The test results are summarised in Table 1 below. Figures show detail of the door and detailed results are given in Annex 1.

Tests	BS EN requirements		Test specimen performance	
	Max. test pressures Pa	Requirements	Test results	Classification
Air permeability	600	Max. air leakage rate at 600 Pa not to exceed: 9.91m ³ /h.m ² in Cl.4 2.48m ³ /h.m in Cl.4 Under negative test pressures	At 600 Pa 11.37 m ³ /h.m ² 3.94 m ³ /h.m 12.17 m ³ /h.m ² 4.22 m ³ /h.m	Class 3 Class 3 Class 3 overall Class 3 Class 3 Class 3 overall
Watertightness	300	No leaks up to and at 300 Pa – Class 7A	First leak at 250 Pa	Class 5A
Resistance to ± wind loads	P1 = 2000 P2 = 1000 P3 = 3000	At P1 and P2: Deflection of frame member not to exceed 1/150	max. 1/1167 on a leaf stile at -2000 Pa	Classification of relative frontal deflection: Class C
		No visible failures. Remain functional. Increase in air perm' not greater than 20% of the max. permissible air perm' for the class attained in the 1 st air perm' test At P3: No parts become detached and specimen remains closed	No failures Functions OK Insignificant change Intact and remained closed	Classification of wind load: Class 5 Overall Classification for resistance to wind load: Class C5

Note: overall air permeability classifications are based on a comparison of classes met for air leakages per m² and per metre of opening joint not a comparison between leakages measured under positive and negative test pressures

Table 1. Summary of weathertightness test results

