



BLU™

316 Marine Grade Stainless Steel Hardware

LP400

Letter plate

WEATHER TEST REPORT



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LETTER PLATE - LP400

AIR PERMEABILITY TEST REPORT



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Air Permeability data for Letter Plate

1st test - positive pressure					
Pressure	Chamber permeability	Total Permeability	Net perm, adjusted for conditions	Net permeability per m ² area	Net permeability per m opening length
(Pa)	(m3/h)	(m3/h)	(m3/h)	(m3/h m ²)	(m3/h m)
50	0.56	0.7	0.14	5.54	0.18
100	1.04	1.29	0.25	9.89	0.32
150	1.55	1.91	0.36	14.25	0.46
200	2.12	2.61	0.48	19.39	0.62
250	2.67	3.28	0.60	24.14	0.77
300	3.18	3.98	0.79	31.66	1.01
450	4.49	6.92	2.40	96.16	3.08
600	5.92	11.39	5.41	216.45	6.94

1st test - negative pressure					
Pressure	Chamber permeability	Total Permeability	Net perm, adjusted for conditions	Net permeability per m ² area	Net permeability per m opening length
(Pa)	(m3/h)	(m3/h)	(m3/h)	(m3/h m ²)	(m3/h m)
50	0.56	0.64	0.08	3.17	0.10
100	1.13	1.3	0.17	6.73	0.22
150	1.78	1.99	0.21	8.31	0.27
200	2.34	2.72	0.38	15.04	0.48
250	2.95	3.4	0.45	17.81	0.57
300	3.54	4.13	0.58	23.35	0.75
450	5.31	6.27	0.95	37.99	1.22
600	7.08	8.21	1.12	44.71	1.43

Average between positive and negative pressure						
Air pressure	Positive pressure		Negative pressure		Mean	
	Net Permeability per m ² area	Net Permeability per m opening length	Net Permeability per m ² area	Net Permeability per m opening length	Per m ² area	Per m opening length
(Pa)	(m ³ /h m ²)	(m ³ /h m)	(m ³ /h m ²)	(m ³ /h m)	(m ³ /h m)	(m3/h m)
50	5.54	0.18	3.17	0.10	4.35	0.14
100	9.89	0.32	6.73	0.22	8.31	0.27
150	14.25	0.46	8.31	0.27	11.28	0.36
200	19.39	0.62	15.04	0.48	17.21	0.55
250	24.14	0.77	17.81	0.57	20.97	0.67
300	31.66	1.01	23.35	0.75	27.50	0.88
450	96.16	3.08	37.99	1.22	67.07	2.15
600	216.45	6.94	44.71	1.43	130.58	4.19

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WIND RESISTANCE TEST REPORT



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Resistance at wind load - test after EN 12211/ Safety test

Test pressure P3

Nom.:
Nom.:

Act.:
Act.:

Table 2.0 Measuring results of the safety test

Class	Pressure						Suction					
	1	2	3	4	5	Ex	1	2	3	4	5	Ex
Absolute pressure	600Pa	1200Pa	1800Pa	2400Pa	3000Pa		-600Pa	-1200Pa	-1800Pa	-2400Pa	-3000Pa	
Absolute pressure actual												
Safety test sustained												

Notes

Classification after EN 12210	Pressure	Class	ND
	Suction	Class	ND
		Class	ND

ND= Test not carried out

General classification after EN 12210

Deflection at test pressure P1	±	ND	Class	
Test at repeated pressure with P2 at	±	ND	Class	ND
Safety test with P3 at	±	ND	Class	ND

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WATER TIGHTNESS TEST REPORT



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Water tightness - test after EN 1027

Number of spraying nozzles 1st row **2** of **2 l/min.** Spraying method **A**
 Number of spraying nozzles 2nd row **0** of **1 l/min.** Spraying angle **24 Degree**
 Water quantity **4 l/min.** **240 l/h**

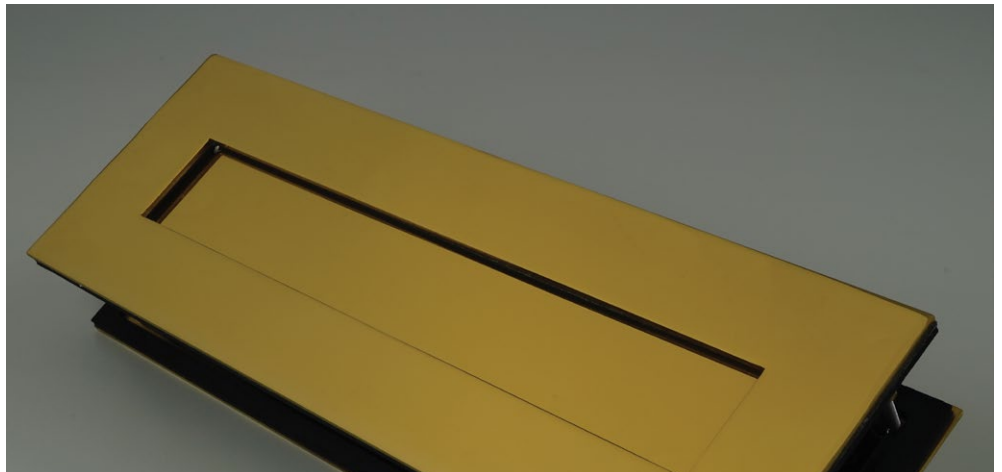
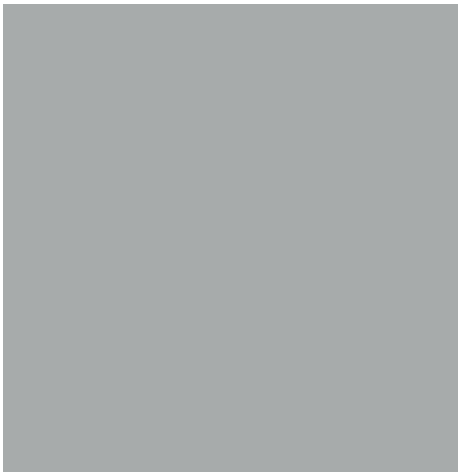
Table 3.0

Class	Pressure in Pa		Time	Water entrance		Observation
	Nom.:	Act.:		Dripping	Flowing	
A1	0	0	00:15:00	00:00:00	00:00:00	OK
A2	50	50	00:05:00	00:00:00	00:00:00	OK
A3	100	100	00:05:00	00:00:00	00:00:00	OK
A4	150	151	00:05:00	00:00:00	00:00:00	OK
A5	200	201	00:05:00	00:00:00	00:00:00	OK
A6	250	251	00:05:00	00:00:00	00:00:00	OK
A7	300	300	00:05:00	00:00:00	00:00:00	OK
A8	450	453	00:05:00	00:00:00	00:00:00	OK
A9	600	601	00:05:00	00:00:00	00:00:00	OK

No water entry at **600** Pa

Classification after EN 12208	Class	A9
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ND= Test not carried out



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