

Summary of Air and Water Infiltration Performance Test Data

rev: 5/22/2017

Test method, air: ASTM E 283

Test method, water: ASTM E 331-00 (Pass/Fail after 15 min under water spray of 8"/hour.

Failure occurs with a single drop over the threshold.)

Tested by: Intertek/ATI, Saint Paul, MN

Note: All latches were Allegis KlimaFlex-1.

TOTAL CFM Air Infiltration						
Positive Pressure Outswing						
Model	CPZ-17	CPZ-17	Z-20	CPZ-20	CPZ-27	Z-40
Therm/Non-therm	non-thermal	thermal	thermal	thermal	thermal	thermal
Panel design	cakepan	cakepan	perim	cakepan	cakepan	perim
Panel thickness	1.7"	1.7"	2.0"	2.0"	2.7"	4.0'
Frame	alum	alum	alum	alum	alum	alum
Frame depth	2.0"	2.0"	2.297"	2.297"	3.0"	4.487"
Gasket	hollow EPDM	hollow EPDM	hollow EPDM	hollow EPDM	hollow EPDM	triple
Hinge/Latch	2L/2H	2L/2H	2L/2H	2L/2H	2L/2H	2L/2H
Inches H ₂ O	All doors nominal 24" x 60" cabinet opening					
0.3						<0.01
1.2	<0.01	0.03			0.04	<0.01
2.0	<0.01	0.02	0.40	<0.01	0.04	<0.01
3.0	0.03	<0.01			0.17	<0.01
4.0	0.04	0.03	0.55	0.20	<0.01	<0.01
5.0	<0.01	<0.01			<0.01	<0.01
6.0	0.15	0.20	0.25	0.30	<0.01	<0.01
7.0	0.06	0.30			<0.01	<0.01
8.0	0.15	0.20	<.01	0.01	<0.01	<0.01
9.0	0.60	0.30			<0.01	0.25
10.0	0.50	0.25	0.05	0.03	<0.01	<0.01
11.0	3.00	0.20			<0.01	0.25
12.0	9.00	0.60	0.25	0.05	0.03	0.25
Test date:	10/24/2011	1/18/2012	2/4/2015	2/4/2015	4/12/2017	6/6/2005

Negative Pressure Outswing						
Inches H ₂ O	CPZ-17	CPZ-17	Z-20	CPZ-20	CPZ-27	Z-40
0.3	0.04					<0.01
1.2	0.02	0.24			<0.01	<0.01
2.0	0.01	0.36	0.15	0.03	<0.01	<0.01
3.0	0.01	0.39			0.03	<0.01
4.0	0.01	0.45	0.50	0.10	0.03	<0.01
5.0	0.01	0.49			<0.01	<0.01
6.0	<0.01	0.15	0.70	0.20	<0.01	<0.01
7.0	<0.01	0.20			<0.01	<0.01
8.0	<0.01	0.30	1.25	0.01	<0.01	<0.01
9.0	<0.01	0.25			<0.01	<0.01
10.0	<0.01	0.25	1.00	0.02	<0.01	<0.01
11.0	<0.01	0.30			<0.01	0.3
12.0	<0.01	0.30	0.95	0.01	<0.01	0.2
Test date:	10/24/2011	1/18/2012	2/4/2015	2/4/2015	4/12/2017	6/6/2005

Zero water at:	**2", 8", 14", 20"	*** 2", 8", 14", 20"	2/4/6/8/10/12"	2/4/6/8/10/12/14"	2/6/8/10/12/14"	* 12.0"
Test date:	10/24/2011	1/18/2012	2/4/2015	2/4/2015	4/12/2017	6/6/2005

* test discontinued without failure.

** test discontinued without failure after 120 minutes at -20".

*** test discontinued without failure after 240 minutes at -20".