



ARCHITECTURAL
SYSTEMS GROUP



Industry Specific Product Comparison
Data and Performance Properties.

#	Property	Test	Unit	Etalbond	Alfrex	Reynobond	Alpolic	Alucobond
				4MM FR Core	4MM FR Core	4MM FR Core	4MM FR Core	4MM FR Core
1	Thickness	N/A	mm	4.0	4.0	4.0	4.0	4.0
			in	0.157	0.157	0.157	0.157	0.157
2	Weight	N/A	kg/m2	7.40	7.37	7.48	7.60	N/A
			lb/ft2	1.52	1.51	1.53	1.56	N/A
3	Alloy	N/A	Grade/Temper	3105 H44	3003 H14	3105 H25	3105 H14	AA 3000
4	Bond	ASTM D1781	Nm/m	*≥167	≥100	≥100	≥100	≥100
			in-lb/in	*≥37.5	≥22.5	≥22.5	≥22.5	≥22.5
5	Expansion	Based on Skin	mm/mm*°C	2.36 x 10 ⁻⁵	2.59 x 10 ⁻⁵	2.36 x 10 ⁻⁵	2.36 x 10 ⁻⁵	2.36 x 10 ⁻⁵
			in/in*°F	1.31 x 10 ⁻⁵	1.44 x 10 ⁻⁵	1.31 x 10 ⁻⁵	1.31 x 10 ⁻⁵	1.31 x 10 ⁻⁵
6	Core	N/A		Polymer with FR Filler	FR Mineral Filled	Polymer with FR Filler	Polymer with FR Filler	Polymer with FR Filler
7	Flame Spread	ASTM E84	N/A	Pass = Class A	Pass = Class A	Pass = Class A	Pass = Class A	Pass = Class A
8	Smoke Developed	ASTM E84	N/A	Pass = Class A	Pass = Class A	Pass = Class A	Pass = Class A	Pass = Class A
9	Multi-Story Test	NFPA 285	N/A	Passed	Passed	Passed	Passed	Passed
10	Panel + System Strength Test	AC25	N/A	Yes	Yes	No	No	No
11	Panel Strength Test	E72	N/A	Yes	Yes	Yes	Yes	Yes
12	Florida Building Code	HVHZ	N/A	Yes	Yes	N/A	N/A	N/A
13	Legitiment IBC Report	ICC/CCRR	N/A	Yes	No	No	No	No
14	Self Ignition	ASTM D1929	>650*F	Passed	Passed	Passed	Passed	Passed
15	Tensile Strength	ASTM E8	Mpa	≥150	≥48	≥159	≥159	≥159
			ksi	≥21.8	≥ 7	≥23	≥23	≥23
16	Yield Strength	ASTM E8	Mpa	≥120	≥43	≥131	≥131	≥131
			ksi	≥17.4	≥ 6.2	≥19	≥19	≥19
17	Skin Thickness	N/A	mm	0.5 ±0.05	0.5 ±0.05	0.5 ±0.05	0.5 ±0.05	0.5 ±0.05
			in	Nom 0.020	Nom 0.020	Nom 0.020	Nom 0.020	Nom 0.020
18	Bond Warranty	N/A	Years	*20	10	5	5	5
19	Paint Warranty	N/A	Years	30	30	30	30	30
20	Max Sheet Width	N/A	mm	*1625	1575	1575	1575	1575
21	Custom Sheet Widths	N/A	N/A	Yes	No	No	No	No
22	Aluminum Coil Manufacturer	N/A	N/A	Yes	No	No	No	No
23	In House Coil Coating	N/A	N/A	Yes	No	No	No	No
24	Full Scale Canadian Fire Test	CAN ULC S134		Passed	Passed		Passed	