

Reynoclad® Pre-Painted Aluminum Sheets

Technical Data Sheet

Technical Engineering Properties

Reynoclad® coil coated aluminum sheets are offered in 0.080", 0.063", 0.059", and 0.039" thickness.

Property	Units	0.080" Aluminum Sheet	0.063" Aluminum Sheet	0.059" Aluminum Sheet	0.039" Aluminum Sheet
Thickness	in mm	0.08 2.0	0.063 1.6	0.059 1.5	0.039 1.0
Thickness Tolerance	in mm	+/-0.003 +/-0.08	+/-0.003 +/-0.07	+/-0.003 +/-0.07	+/-0.002 +/-0.05
Available Width	in mm	62, 59, 51, 39 1575, 1499, 1295, 991	62, 59, 51, 39 1575, 1499, 1295, 991	62, 59, 51, 39 1575, 1499, 1295, 991	62, 59, 51, 39 1575, 1499, 1295, 991
Width Tolerance	in mm	-0/+0.12 -0/+3	-0/+0.125 -0/+3	+/-0.12 +/-3	-0/+0.12 -0/+3
Length Tolerance	in	-0, +0.25	-0, +0.25	-0, +0.25	-0, +0.25
Weight	lb/ft ² kg/m ²	1.13 5.52	0.9 4.39	0.83 4.05	0.52 2.78
Alloys (Ai) And Temper	N/A	3003 H14	3003 H14	3005 H42	3005 H44
Allowable Bending Stress	lb/in ² MPa	11,500 79.3	11,500 79.3	11,500 79.3	11,500 79.3
Coeff. Of Expansion	in/in/°F mm/mm/°C	1.16x10 ⁻⁵ 2.1x10 ⁻⁵	1.16x10 ⁻⁵ 2.1x10 ⁻⁵	1.16x10 ⁻⁵ 2.1x10 ⁻⁵	1.16x10 ⁻⁵ 2.1x10 ⁻⁵
Stiffness (Ei) Astm C393	lb/in ² /in MPa-cm ² /m	431.3 118.15	208 59.43	172.7 49.35	49.9 14.59
Flexural Modulus Astm C393 (E)	lb/in ² MPa	1.01x10 ⁷ 6.95x10 ⁴	1.01x10 ⁷ 6.95x10 ⁴	1.01x10 ⁷ 6.95x10 ⁴	1.01x10 ⁷ 6.95x10 ⁴
Finishes / Performance	NA	Coil Coated Pretreatment with 2 or 3-coat Meets AAMA 2605 / 2604 / 2603	Coil Coated Pretreatment with 2 or 3-coat Meets AAMA 2605 / 2604 / 2603	Coil Coated Pretreatment with 2 or 3-coat Meets AAMA 2605 / 2604 / 2603	Coil Coated Pretreatment with 2 or 3-coat Meets AAMA 2605 / 2604 / 2603

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Slight variations in color, gloss and texture can occur between different paint production batches. Paint variations within a specific color, especially for mica and metallic colors, can and do occur that are visible to the human eye, but are within industry tolerances.