

Pre-Painted Sheet
AS2000
AS1500
AS1000

AS2000, AS1500, AS1000 Technical Data Sheet

Technical Engineering Properties

AS2000, AS1500, and AS1000 coil coated aluminum sheet is offered in 0.080", 0.059", and 0.039" thickness.

U.S. and Metric Equivalent

PROPERTY	Units	AS2000 0.080" Aluminum Sheet	AS1500 0.059" Aluminum Sheet	AS1000 0.039" Aluminum Sheet
THICKNESS	in mm	0.08 2.0	0.059 1.5	0.039 1.0
THICKNESS TOLERANCE	in mm	+/-0.003 +/-0.08	+/-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
WIDTH TOLERANCE	in mm	-0/+0.12 -0/+3	+/-0.12 +/-3	-0/+0.12 -0/+3
MAX. LENGTH	in mm	157.5 4000	157.5 4000	120 3084
LENGTH TOLERANCE	in	-0, +0.25	-0, +0.25	-0, +0.25
WEIGHT	lb/ft ² kg/m ²	1.13 5.52	0.83 4.05	0.52 2.78
ALLOYS (AI) AND TEMPER	N/A	3005 H42	3005 H42	3005 H44
ALLOWABLE BENDING STRESS	lb/in ² MPa	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
STIFFNESS (EI) ASTM C393	lbf/in ² /in MPa-cm ² /m	431.3 118.15	172.7 49.35	49.9 14.59
FLEXURAL MODULUS ASTM C393 (E)	lbf/in ² MPa	1.01x10 ⁷ 6.95x10 ⁴	1.01x10 ⁷ 6.95x10 ⁴	1.01x10 ⁷ 6.95x10 ⁴
FINISHES / PERFORMANCE	N/A	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.

ARCONIC ARCHITECTURAL PRODUCTS LLC
50 Industrial Boulevard
Eastman, GA 31023-4129
Tel. 800 841 7774
arconicarchitecturalproducts.com

