



Product Specification Document

ACAD-900YX-AD Rev 1

Aluminum Coil Anodizing Corporation
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Product ID: 900YX/AD Brushed Clear 0.15 mm (.006") Foil

Application: Interior Architectural and Decorative Laminates

Material Specification:

Alloy: 1050

Temper: H18

Mechanical Properties (typical):

Tensile Strength: 165 N/mm² (24,000 psi)

Yield Strength: 138 N/mm² (20,000 psi)

Elongation: 3%

Minimum Bend Radii: 1T

Optical / Anodized Properties:

Total Reflectance (TR%) ¹ :				% minimum	¹ (Technidyne TR-2 (ASTM 1651-94))
Distinctness of Image (DI) ² :	n/a				² (Hunter Labs D47 Dorigon (ASTM E430-83))
Specular Reflectance (RS) ² :	n/a				³ (DIN 67530)
15° Diffuseness (15°) ² :	n/a				⁴ (Byk Gardner Micro Gloss Meter)
Dr. Lange 60° ³ :	w/g	n/a	a/g	n/a	⁵ (ASTM B137-89)
Gardner 60° Gloss ⁴ :	w/g	200 to 240	a/g	n/a	⁶ (Hunter Lab mini-Scan XE Plus)
Anodize Film Thickness ⁵ :	2.5 to 3.8 microns			(0.00010 to 0.00015 inch)	
Iridescence Rating:	Not Controlled				
Color ⁶ :	L*	n/a	a*	n/a	b* n/a

Availability: Sheet and Coil

Gage: 0.15 mm (0.006 inch)

Width: 12.7 to 1280 mm (0.50 to 50.40 inch)

Length: Capability under development

Tolerances (standard): (Tighter tolerance may be possible. Contact your sales representative.)

Gage:	0.15 mm	+/- 0.025 mm	(0.006 inch, +/- 0.001 inch)
Slit Width: From:	12.5 to 305 mm	+/- 0.125 mm	(0.5 to 12 inch, +/- 0.005 inch)
	306 to 610 mm	+/- 0.38 mm	(12.1 to 24 inch, +/- 0.015 inch)
	611 to 1280 mm	+/- 0.50 mm	(24.1 to 50.40 inch, +/- 0.020 inch)

Sheet: Length: Capability under development

Squareness:¹ Capability under development
¹ Difference in diagonals

Lateral Bow: Capability under development

Flatness: Capability under development

Burr: 10% of gage Not to exceed .08 mm (.003 inch)