



Aluminum Coil Anodizing Corporation  
 501 E Lake Street • Streamwood IL 60107  
 Phone: 630-837-4000 • Fax: 630-837-0814  
 www.acacorp.com

# Product Specification Document

ACAD-817YX-AD Rev 3

**Product ID: 817YX/AD Brushed Stainless 0.15 mm (.006") Foil**

**Application: Interior Architectural and Decorative Laminates**

**Material Specification:**

Alloy: 1050

Temper: H18

**Mechanical Properties (typical):**

Tensile Strength: 165 N/mm<sup>2</sup> (24,000 psi)

Yield Strength: 138 N/mm<sup>2</sup> (20,000 psi)

Elongation: 3%

Minimum Bend Radii: 1T

**Optical / Anodized Properties:**

Total Reflectance (TR%) <sup>1</sup> :				% minimum	<sup>1</sup> (Technidyne TR-2 (ASTM 1651-94))
Distinctness of Image (DI) <sup>2</sup> :	n/a				<sup>2</sup> (Hunter Labs D47 Dorigon (ASTM E430-83))
Specular Reflectance (RS) <sup>2</sup> :	n/a				<sup>3</sup> (DIN 67530)
15° Diffuseness (15°) <sup>2</sup> :	n/a				<sup>4</sup> (Byk Gardner Micro Gloss Meter)
Dr. Lange 60° <sup>3</sup> :	w/g	n/a	a/g	n/a	<sup>5</sup> (ASTM B137-89)
Gardner 60° Gloss <sup>4</sup> :	w/g	125-185	a/g	n/a	<sup>6</sup> (Hunter Lab mini-Scan XE Plus)
Anodize Film Thickness <sup>5</sup> :	2.3 to 3.8 microns			(0.00009 to 0.00015 inch)	
Iridescence Rating:	Not Controlled				
Color <sup>6</sup> :	L*	73 to 77	a*	-1.5 to .5	b* 3.0 to 5.0

**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:<sup>1</sup> Capability under development  
<sup>1</sup> Difference in diagonals

Lateral Bow: Capability under development

Flatness: Capability under development

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