

KLAUER ALUMINUM SOFFIT AND RAIN-CARRYING SYSTEMS



PREMIUM EXTERIOR COIL-COATING SYSTEM

Klauder Classic and Klauder Select Aluminum finishes provide excellent long-term gloss retention and corrosion protection in severe environments. Both the Klauder Classic and Klauder Select Aluminum Series

of colors are formulated with a proprietary high-durability resin for resistance to chalking and fading.

Its long-term exterior-weathering performance makes Klauder Aluminum your cost-effective choice for residential and light commercial applications. It is

ideal for use on all building components, especially soffit and rain-carrying systems. Klauder Aluminum coatings feature our special stain-resistant polyester resin that also improves scratch and metal-marking resistance. Klauder Aluminum finishes carry a limited-lifetime warranty.

SPECIFICATIONS	TEST		RESULTS
ASTM D-523	60° Specular Gloss	10–80	Gardner 60° meter or equivalent
ASTM D-3363	Pencil Hardness	H – 2H	No break in the film
ASTM D-4145	Coating Flexibility	1 – T to 2 – T	No pickoff with Scotch® #610 tape
ASTM D-2794	Reverse Impact, 60–80"	Passes	No pickoff with Scotch #610 tape
ASTM G-53	Q.U.V. Weatherometer, 1,000 hours	Passes	No objectionable chalking per ASTM D-4214, color change per ASTM D-2244 or blistering per ASTM D-714
ASTM D-2247	Humidity, 1,000 hours at 100°F and 100% Humidity	Passes	Less than 5% No. 8 blisters
ASTM B-117	Salt Spray, 1,000 hours, 5% Salt Solution	Passes	Less than 5% No. 6 blisters and less than 1/8" creep or tape off from the scribe per ASTM D-1654
ASTM D-2244	45° So. Florida Exposure, 25 Years, Color Retention	Passes	No objectionable color change
ASTM D-4214	45° So. Florida Exposure, 25 Years, Chalk Resistance	Passes	No objectionable gloss loss or chalking
EMMAQUA	Accelerated Weathering, 2,000,000 Langleys, Sun 10 Arizona Exposure	Passes	No objectionable gloss loss, chalking, color change or blistering

Materials

Klauder Aluminum products shall be made from 3105 or equivalent aluminum alloy and H-24, H-26 or equivalent hardness. Aluminum is a building-product grade, tension-leveled coil stock, specifically produced to be roll-formed in a consistent manner. All aluminum used for coating is produced in accordance to the Aluminum standards and data 2006 edition. American Society for Testing and Materials (ASTM) standards have been approved for use by government agencies.

- 16-in. center-vent soffit panels have a minimum calculated ventilated area (NFOA) of 6.6 sq. in. per lineal foot.
- 16-in. full-vent soffit panels have a minimum calculated ventilated area (NFOA) of 13.2 sq. in. per lineal foot.

Characteristics of Painted Aluminum Finishes

The Klauder Classic and Klauder Select finishes applied to the substrate have a dry-film thickness of 0.80–1.30 mills. Accelerated and physical testing has indicated that this finish meets color, gloss, film thickness and other specification guidelines as set by the ASTM and the National Coil Coaters Association.

Thickness

0.019" nominal – soffit and accessories
 0.019" nominal – trim coil
 0.032" nominal – gutter coil
 Meets performance requirements of AAMA 1402-86.

