

Polyester Coating System

DESCRIPTION

Aleris Rolled Products provides a polyester coating system that is designed to perform as either a one coat or a two-coat system over an aluminum substrate.

The following features make our polyester coating system an excellent choice for both interior and exterior applications:

- Excellent exposure characteristics
- Mar resistance
- Excellent formability
- Moderate to good cleaning properties

USES

The polyester coating system is designed for applications that require a durable interior/exterior grade coated aluminum product.

Typical end uses include but are not limited to:

- Residential and commercial building products
- Transportation products
- Application housings
- Sign stock
- Lighting fixtures

COLOR AND GLOSS

The polyester coating system is available in a wide range of colors and glosses. For more information, contact your Aleris Rolled Products sales representative.

AVAILABILITY

Contact Aleris Rolled Products for assistance in determining the correct one-coat or two-coat polyester coating system for your end-use application.

PHYSICAL PROPERTIES OF COATED SURFACE

- Coated film hardness achieves F-2H pencil as tested per ASTM D3363
- Solvent Resistance: 50 ~ 100+ MEK rubs as tested per ASTM D4752
- Flexibility: Nominal 2-T180 NTO (subject to method of forming & metal thickness) as measured by ASTM D4145-83
- Reverse Impact: 1.5X metal thickness NTO ASTM D2794

Test results of coated surface will vary depending on paint formulation and forming requirements of metal specification and end-use application.

ACCELERATED WEATHERING

- 5% Salt Spray (1000 hours):
No creep over 1/32" from scribe ASTM B 117.
- 100% Humidity: No significant visual change after 1,000 HR per ASTM D 2247-87.
- QUV test as achieved by ASTM D4587:
No visible loss of film integrity and no chalking greater than #8 after 500 HR, as measured by ASTM D 4214-89.