

ROAD SHIELD® and ULTRA ROAD SHIELD®

Description

Aleris Rolled Product's Road Shield® and Ultra Road Shield® products are the merging of our quality aluminum coiled sheet with a combination of innovative acrylic paint systems. This unique coated coil product offers a balance of exceptional adhesion and exterior durability. The excellent exterior exposure characteristics of these products are combined with a coating system that provides high resistance to metal marking, stain resistance and ease of cleaning.

Uses

Road Shield products have been designed specifically for Trailer side sheet applications that require a durable exterior grade acrylic coated aluminum product.

Availability

Road Shield - Aluminum coil coated application of a single-coat acrylic paint system

Ultra Road Shield - Aluminum coil coated application of a two-coat acrylic paint system

Color and Gloss

Road Shield and Ultra Road Shield products are available in virtually any color as a high gloss finish.

Physical Properties of Coated Surface

- Coated film hardness achieves F-2H pencil as tested per ASTM D3363
- Solvent Resistance: 100+ MEK rubs as tested per ASTM D4752
- Flexibility: Nominal 3-T180 NTO (subject to method of forming) ASTM D4145-83
- Reverse Impact: 1.5X metal thickness NTO ASTM D2794

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.

Special Properties

- Road Shield high gloss white products are extremely stable and display no measurable color drift when initially exposed to natural sunlight.
- Ultra Road Shield offers enhanced surface corrosion resistance