

# Textured Coatings



## Product Description

Textured coatings are specially formulated coatings that are designed to provide long-life durability when applied by the coil-coating process. Textured coatings are excellent choices for products requiring non-uniform or irregular surface appearances such as embossed, non-skid, rough or porous finishes.

## Application

Textured coatings are formulated to be coil applied on aluminum substrates that have been chemically cleaned and pretreated in accordance with the supplier's technical specifications. Textured coatings may be applied as a single or two-coat product, depending on the final performance requirements.



## Potential End Uses

Textured coatings are used in a wide variety of applications including residential and commercial building products, rainware and trim coil, wall partitions, ceiling grids, appliances and roll screen shutters. Textured finishes can be used in nearly any market and are ideal for applications that would benefit from their enhanced appearance and scuff-resistance.



## Color and Gloss

Textured coatings are available in a wide range of colors. Virtually any color that is offered in a smooth finish can be reproduced in a textured coating. Additionally, textured finishes have color control and repeatability comparable to smooth finishes. Gloss is determined by the particle size and concentration of the texturing agent required to achieve the desired appearance. Textured finishes are available in low to medium gloss ranges.



## Key Features & Benefits

Textured coatings add aesthetic value to interior/exterior applications that require metal mark and scuff-resistance. A wide range of textured finishes are available depending on the additive chemistry, particle size, texture concentration and melt temperature. In addition to being more resistant to wear, texture finishes also have the ability to mask minor scratches, fingerprints and scuff marks. Due to the unique nature of the textured system, it is best to provide a sample for color matching along with the Customer's specific requirements for the textured system.

## Typical Physical Properties of the Aleris Textured Coating

| Property  | Results   | Test Method     |
|---|---|-----------------|
| 60-Degree Specular Gloss                                | 5 - 50  | ASTM D-523-89   |
| Pencil Hardness   | F min   | ASTM D- 3363-74 |
| Post Formability, 180 Bend<br>Around 1/8 inch mandrel   | Pass  | ASTM D-522-88   |
| Reverse Impact - reverse                                | 1.5 x Metal Gauge   | ASTM D-2794-90  |
| Humidity, 1000 hrs. exposure<br>@ 100°F & 100% humidity | No blistering or loss of<br>adhesion                        | ASTM D-2247-87  |
| Salt Spray, 1000 hrs 5%<br>salt fog @ 95°F              | No blistering or loss of<br>adhesion                        | ASTM B-117-90   |
| Weatherometer, 1000 hrs.<br>exposure                    | No objectionable color<br>change, chalking or<br>blistering | ASTM G-23-90    |