

<b>Viasat, Inc.</b>	Process Area: <b>Engineering</b>	Document Number: <b>PR001880</b>	Revision: <b>003</b>
Name of Document: <b>Coating, Workmanship Standards</b>		Process Category: <b>Engineering</b>	Page: <b>1 of 2</b>

## 1 Scope

This document provides workmanship standards for coatings.

## 2 Finishing Standards

Unless otherwise noted on the drawing of the part receiving the specified coating, all coating applications shall be performed per the coating manufacturer's recommended guidelines. It is the responsibility of the supplier to contact the coating manufacturer to ensure they understand and follow all surface preparation, cleaning and application requirements of the specified coating for the substrate being coated.

### 2.1 Performance Characteristics

Coating applied shall meet or exceed the minimum requirements in this Section.

#### 2.1.1 Salt Spray

In accordance with ASTM B117 w/ASTM D1654 scribe and ASTM D714, Blister Grade, Salt Spray 5%, with testing satisfactory after 480 hours.

#### 2.1.2 Accelerated Weathering

In accordance with ASTM B117 w/ASTM D1654 scribe and ASTM D714, Blister Grade, accelerated weathering: no cracking, flaking, blistering, rusting, or loss of adhesion after 480 hours.

### 2.2 Surface Quality

#### 2.2.1 External Surface

Surface must be completely covered with a smooth, continuous, uniform coating. Surface shall be free of runs, pinholes, dents, bubbles, blisters, scratches, orange peel, overspray, and foreign matter in the coating.

## 3 Inspection

- 3.1 Inspection of painted surfaces shall be in accordance to Viasat process document, PR001336, Viasat, Inc. Cosmetic Inspection Criteria.
- 3.2 Unless otherwise specified, all inspections shall be performed in accordance with conditions specified in the manufacturer's instructions and technical documents.

## 4 Environmental

No coating additives or preparation materials may be added to the material or coating process/materials that may change the compliance status of the base material and coating in accordance with RoHS Directive 2011/65/EU and REACH Regulation 1907/2006. Any additive REACH substances above a 0.1%wt/wt should be reported to [Compliance-ProductEnvironmental@viasat.com](mailto:Compliance-ProductEnvironmental@viasat.com)

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## 5 Reference Documents

When using any of the reference documents listed, always refer to the current revision of each document.

### Viasat Documents

Document Number	Document Description
PR001336	Viasat, Inc. Cosmetic Inspection Criteria

### Other Documents

Document Number	Document Description
ASTM B117	Standard Practice for Operating Salt Spray (Fog) Apparatus
ASTM D714	Standard Test Method for Evaluating Degree of Blistering of Paints
ASTM D1654	Standard Test Method for Evaluation of Painted or Coated Specimens Subjected to Corrosive Environments
ASTM D3359	Standard Test Methods for Measuring Adhesion by Tape Test
ASTM D4541	Standard Test Method for Pull-Off Strength of Coatings Using Portable Adhesion Testers