

# Milestone AV Technologies TECHNICAL SPECIFICATION

**Number:** 8900-000007

**Title:** -161 Outdoor Paint Test Specification

**Revision:** 01

PAGE 1 OF 3

## Revision History

Date	Rev	Reason for Change
8/5/2016	A	ECO 500013950 Initial Release
3/8/2017	01	ECO 50014960 Changed revision control from alpha (A) to numeric (01) to reflect revision control method used on the Milestone Technical Specifications Section 3.0: Added reference to ASTM D 4752 Section 4.0: Finish – Applied Thickness (mils) requirements changed from <ul style="list-style-type: none"><li>• Paint: 2-3 to 3-6</li><li>• Primer: 1.5-2 to 1-3</li></ul>

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<b>Title:</b>	-161 Outdoor Paint Test Specification	
<b>Revision:</b>	01	PAGE 2 OF 3

### 1.0 Purpose

The purpose of this specification is to ensure that the outdoor paint and primer has been applied correctly and that they perform to the warranty for outdoor mounts.

### 2.0 Scope

This specification is to quantify that the outdoor finish and material used on outdoor mounts will meet the values that have been achieved during testing.

### 3.0 Documents

Standards referenced:

- [ASTM B 117-11 Standard Practice for Operating Salt Spray \(Fog\) Apparatus](#)
- [ASTM D 4587-11 Standard Practice for Fluorescent UV-Condensation Exposures of Paint and Related Coatings](#)
- ASTM D 714-09 Standard Test Method for Evaluating Degree of Blistering of Paints
- ASTM D 610-12 Standard Practice for Evaluating Degree of Rusting on Painted Steel Surfaces
- [ASTM D 3359-09 Standard Test Methods for Measuring Adhesion by Tape Test](#)
- Milestone Materials and Finishing Technical Specification 8900-000002
- ASTM D 4752 Standard Practice for Measuring MEK Resistance of Ethyl Silicate

### 4.0 Requirements

Finish	Manufacturer	Name	Number	Applied Thickness (mils)	Total Hardness	MEK <sup>1</sup>
Paint	Axalta	Alesta AR400 Rich Black Matte	PFB706S4	3-6	≥2H	≥4
Primer	Axalta	ACE Black 32	RFB651S5	1-3		

Minimum Performance Requirements				
Material <sup>2</sup>	Neutral Salt Spray (ASTM B 117-11)		UV Test (500 hrs.) (ASTM D 4587-11 Cycle 1) Recovery Period: 24 hours	
<ul style="list-style-type: none"> <li>• Galvannealed A60</li> <li>• Galvanized G60</li> <li>• DD51D+Z90/90</li> <li>• Zinc Plated Steel</li> </ul>	Blistering ASTM D 714-09	10	Blistering ASTM D 714-09	10
	Corrosion ASTM D 610-12	10	Adhesion ASTM D 3359-09	5B
	Test Duration (Hours)	750	Δ-E Color	<1
A380 Aluminum Casting	Blistering ASTM D 714-09	10	No requirements (untested)	
	Corrosion ASTM D 610-12	10		
	Test Duration (Hours)	500		

<sup>1</sup> Per Milestone specification 8900-000002 and ASTM D 4752

<sup>2</sup> Ferrous materials should meet UL 2442 section 80 material requirements

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**Revision:** 01

PAGE 3 OF 3

## 5.0 Attachments

- [Primer Technical Information Sheet](#)
- [Paint Technical Information Sheet](#)