



# AquaShield 001

**(with Flash Dry Technology)**

## Product Bulletin

Royal Aqua Shield 001 is a fast drying zero-VOC/ zero-HAPS direct to metal acrylic. This stand-alone product offers excellent hiding, flow and sag resistance. In addition to its outstanding protection properties, it significantly reduces the hazards of working with volatile compounds found in other VOC coatings. Royal AquaShield 001 cannot ignite and because it does not create any toxic vapors, the odor, headaches, and nausea often associated with other coatings are completely eliminated. Royal AquaShield 001 provides greater corrosion resistance for metals and greater health protection for workers.

**WEATHERING**



2 mil DFT

300 Salt Fog HRS

- FEATURES**
- ZERO VOC
  - ZERO FUMES
  - FAST DRY
  - CORROSION RESISTANT
  - WIDEST APPLICATION TEMPERATURE RANGE (37F – 120F)
  - No Hazardous Waste Generation

**PHYSICAL DATA**

Colors	Custom Colors Available
Finish	Gloss
Components	1
Packaging	<u>5,000 Gal Bulk</u> <u>275 Gal Totes</u> <u>55 Gal Drum</u> <u>5 Gal Pail</u>
VOC	Zero
Shelf Life	1 Year unopened
Surface Temp(F)	40 - 120
Volume Solids (%)	40 - 42
Viscosity (Zahn #3)	30 – 34 seconds

**SURFACE PREPARATION**

Best performance obtained from a clean, dry and oil free surface.

**DRYING , 1.25 DFT , 77F , 50% RH**  
(Results will vary with temperature, humidity and DFT)

Tack Free: 10 –15 minutes  
 To Touch: 15 – 30 minutes  
 Tack Handle: 30 – 60 minutes  
 To Recoat: 15 minutes

*Note:Consult your technical representative before topcoating*

**RECOMMENDED SPREAD RATE PER COAT**

	<u>Minimum</u>	<u>Maximum</u>
Wet mils (microns)	2.5(62)	7.5(187)
Dry mils (microns)	1(25)	3(75)
Coverage ft <sup>2</sup> /gal (m <sup>2</sup> /l)	640(16)	213(5)

**SAFETY PRECAUTIONS**

Read material safety data sheet before use. Wash and clean up thoroughly with soap and water after handling.

**PERFORMANCE CHARACTERISTICS**

Scratch Resistance Method ASTM D3363  
 Result: 5H , No visible damage

Adhesion Method ASTM D4541  
 Result: 300 psi

Salt Fog Resistance Method ASTM B117  
 Result: 300 HRS , rating 10

Flexibility Method ASTM D522 3/8"  
 Result: 180 degree bend passes

**APPLICATION METHODS**

Conventional....Fluid Pressure: 10 – 20 psi , Tip: .040” - .045”  
 ....Atomization Pressure: 45 – 60 psi

Airless....Pressure: 2000 – 2,500 psi ,Tip: .015” - .019”  
 HVLP  
 Brush, Roller or Dip

**MANUFACTURED BY**

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**SPECIFICATIONS**

A Minimum of 1 DFT is required. Films of 1.5 – 2.0 DFT offer optimum corrosion protection.  
 Reduce with a maximum of 5% water (*DO NOT THIN WITH SOLVENTS*)

**DISCLAIMER**

The information contained in this bulletin is, to the best of our knowledge, true and accurate; but all recommendations or suggestions are made without guarantee, since the conditions of use are beyond our control. However, each user should review these recommendations in the specific context of the intended use and determine whether they are appropriate.