



Low VOC Satin Acrylic Polyurethane

SATIN VOC MAP[®] SPECIFICATIONS

Satin VOC MAP[®] (Matthews Acrylic Polyurethane) is a low VOC, UV resistant, aliphatic, acrylic polyurethane system engineered for extreme color and gloss retention. Lead and heavy metal free.

Performance Data:

Excellent weather resistance even in harsh industrial environments. Slick surface resists dirt, pollutants, and abrasion. Withstands chipping, color-fade, gloss loss and graffiti on interior and exterior surfaces.

Characteristics:

Gloss levels based on a 60 degree gloss meter.

- Matte:** 0-8 degrees
- Satin:** 15-30 degrees
- Semi gloss:** 40-60 degrees
- High gloss:** 80+ degrees

Performance Characteristics:

- Pencil Hardness**.....2H
- Flexibility**.....1/8" Mandrel, No Cracks
- Impact Resistance**
- Direct @ 1 Week.....120 in/lbs
- Theoretical Coverage (Varies with Color)**
- 1 mil DFT @ 100% Transfer Efficiency....470 - 542 sq ft per (RTS) gal
- Flash Point (Tag Closed Cup)**.....Below 80°F/28°C
- Recommended Dry Film Thickness**2.0 mil DFT min.
- Volume Solids**..... 36% - 43%
- Volume Solids (RTS)**..... 29% - 33%
- Application Conditions**.....60°F/16°C Minimum
100°F/38°C Maximum
- Relative Humidity**.....85% Maximum
- Substrate Temperature** 5° Above Dew Point,
60°F/16°C Minimum
- Equipment**Conventional, HVLP, or Electrostatic

3.5 VOC information using Low VOC reducer

- VOC Actual RTS..... 1.73 - 3.12 lbs/gal
- VOC Actual RTS.....207 - 373 g/L
- VOC Regulatory (less water less exempt) RTS..... 2.95 - 3.52 lbs/gal
- VOC Regulatory (less water less exempt) RTS.....353 - 421 g/L

Important: to maintain 3.5 VOC compliance when using accelerators, use no more than 0.5oz per RTS qt of the following accelerators: 287 437SP, MAP-LVA117, 47117SP, or 287484SP.

2.8 VOC information using Exempt reducers

- VOC Actual RTS..... 1.09 - 1.28 lbs/gal
- VOC Actual RTS.....130 - 153 g/L
- VOC Regulatory (less water less exempt) RTS.....2.24 - 2.8 lbs/gal
- VOC Regulatory (less water less exempt) RTS.....268 - 331 g/L

Important: to maintain 2.8 VOC compliance, use only MAP-LVA117 accelerator.

For complete VOC information, visit MatthewsPaint.com > Quick Links > VOC Data

Performance Characteristics continued on back...

SATIN VOC MAP[®] SPECIFICATIONS

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Acrylic Polyurethane**

Performance Characteristics Continued:

Solvent Resistance

30 minute contact after 7 days curing Excellent

Chemical Resistance 10% Solutions

Acids Excellent

Alkalis Excellent

Salt Spray - 2000 hours No Effect

Gloss Retention – Weatherometer

1000 hours @ 20° 88%

1000 hours @ 60° 97%

Abrasion Resistance 1000 revolutions..... CS-10 wheel .248 grams

Caution: All 2 component cross-linking stops or slows significantly at temperatures below 60°F or 16°C. Never spray or subject freshly painted coatings to these conditions or loss of gloss, poor water and chemical resistance, decreased durability and improper curing will occur.

Important: Refer to SDS for safety guidelines. Use in a well ventilated area with appropriate Personal Protective Equipment (PPE) to protect eyes, skin, and respiratory system.

See Safety Data Sheet and Labels for additional safety information and handling instructions.

EMERGENCY MEDICAL OR SPILL CONTROL INFORMATION - US (412) 434-4515; CANADA (514) 645-1320; Mexico 01-800-00-21-400
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