

### Selection & Specification Data

<b>Product Name</b>	Mascoat 600P
<b>Product No.</b>	M-600P
<b>Description</b>	Mascoat 600P is a 1-part premium silicone copolymer high heat coating effective on steel surfaces operating up to 600°F (315°C). The coating may be used direct-to-metal, or topcoated with a variety of Mascoat's insulating coatings or topcoats. Mascoat 600P does not require a heat cure. It is predominantly used on structural steel and steel tanks within refineries, petrochem plants, power plants, pulp & paper mills, and other facilities as recommended.
<b>Features</b>	<ul style="list-style-type: none"> <li>◆ Excellent corrosion protection</li> <li>◆ Good chemical resistance</li> <li>◆ Extended recoat window</li> <li>◆ Excellent flexibility</li> <li>◆ Single coat capability</li> <li>◆ Outstanding wetting &amp; adhesion properties</li> <li>◆ VOC Compliant</li> </ul>
<b>Color</b>	Gray
<b>Finish</b>	Eggshell
<b>Components</b>	Single-component
<b>Theoretical Volume Solids Content</b>	51%
<b>WFT per Coat</b>	4–6 mils (100–150 μ)
<b>DFT per Coat</b>	2–4 mils (50–100 μ)
<b>Theoretical Dry Coat Coverage</b>	816 ft <sup>2</sup> /gallon @ 1 mils (20 m <sup>2</sup> /liter @ 25 μ)
<b>VOC Content</b>	
Unthinned	3.8 lbs/gallon (370 grams/liter)
<b>Limitations</b>	Applications should not exceed 600°F (315°C).

### Substrates & Surface Preparation

All surfaces should be clean, dry and free of all foreign contaminants. A SSPC-SP1 Solvent Cleaning with Highland 901 Cleaning Solvent is recommended before blasting or other cleaning method.

#### Carbon Steel:

**Best:** A SSPC-SP 10 Near White Metal Blast to achieve a low blast profile is recommended.

**Good:** A SSPC-SP6 Commercial Blast will provide good results in most situations.

**Acceptable:** While abrasive blast cleaning is preferred, when it is not an option, Hand or Power Tool Cleaning per SSPCSP2 or SSPC-SP3 may be used and will provide good results.

**Galvanized Steel:** Contact a Mascoat representative as recommendation will vary depending on substrate and exposure conditions.

### Application Equipment

Listed below are the general equipment guidelines for the application of this product. It is designed for spray application.

	<b>Conventional</b>
<b>Sprayer</b>	DeVilbiss MBC-510
<b>Fluid Tip</b>	E
<b>Air Cap</b>	704
<b>Atomizing Pressure</b>	60 psi
<b>Pot Pressure</b>	15-20 psi
<b>Hose</b>	3/8"
	<b>Airless</b>
<b>Sprayer</b>	Graco 205-591
<b>Pump</b>	30:1/45:1/60:1
<b>Tip Range</b>	3.011–4.013
<b>Pump Pressure</b>	1,800 psi ± 25 psi
<b>Hose</b>	3/8" ID
<b>Brush/Roller</b>	Touch-up Only

### Application Conditions

	<u>Material</u>	<u>Surface</u>	<u>Ambient</u>
<b>Minimum</b>	50°F (10°C)	50°F (10°C)	50°F (10°C)
<b>Maximum</b>	90°F (32°C)	150°F (°C)	110°F (43°C)

Special reducing and application procedures are required outside these temperatures. Contact your Mascoat representative for more information. Surface temperatures should be 5°F (2.7°C) above dew point to prevent condensation.

## Mixing & Reducing

<b>Mixing</b>	Mascoat 600P needs to be thoroughly mixed using mechanical agitation. It is ready to spray after proper mixing and reduction (if needed).
<b>Reducing</b>	Reducing is not normally required for most applications. Contact your Mascoat representative for more information.
<b>Pot life</b>	N/A

## Packaging, Handling, & Storage

<b>Packaging</b>	5 gallon pails (18.93 L)
<b>Weight</b>	5 gallon – 70 lbs (31.75 kg)
<b>Storage Temp</b>	20°F–110°F (-7–43°C)
<b>Flash Point (Lowest Flashing Component)</b>	55°F (12.7°C)

## Cleanup & Safety

<b>Cleanup</b>	Cleanup with Acetone, MEK, or Xylene
<b>Safety</b>	For minimum protection, Mascoat recommends a half mask respirator with organic vapor cartridge. In confined spaces, a fresh airline respirator may be used. Eye protection recommended due to spray application method.
<b>Ventilation</b>	Recommended for constricted areas.
<b>Clothing</b>	Safety clothing, gloves & barrier creams are recommended.
<b>Skin Contact</b>	If product comes into contact with skin, wash thoroughly with lukewarm water or diluted Boric Acid, and obtain immediate medical attention.
<b>Caution</b>	This product contains FLAMMABLE materials. Keep away from sparks and open flames. Observe NO SMOKING regulations.  Observe low flash regulation.  All electrical equipment and installations should conform to NEC regulations. In areas where explosion hazards exist, workers should be required to use nonferrous tools, and to wear conductive, non sparking shoes.

## Dry & Cure Times

The following minimum times are based on a 3 mil DFT and adequate air ventilation. Higher thickness and reduced air circulation increase drying times.

<b>To Touch</b>	30 minutes
<b>Tack Free</b>	2 hours
<b>To Topcoat (with a Urethane only)</b>	1-2 hours
<b>To Topcoat (with an Insulating Coating)</b>	12 hours
<b>To Handle</b>	2-3 hours
<b>Put in Service</b>	12 hours
<b>Full Cure (@75°F/24°C)</b>	12 hours

When topcoating with an Insulating Coating, M-600P should dry according to the "Put in Service" schedule.