




**Mascoat**  
— SOUND CONTROL—dB



## Selection & Specification Data

<b>Product Name</b>	Mascoat Sound Control-dB
<b>Version No.</b>	2.3
<b>Description</b>	Mascoat Sound Control-dB is a flexible, adhesive, environment-friendly coating that bonds directly to a wide range of surfaces. It reduces excessive sound from structural or mechanical noise and is comprised of noise suppressants encased in an acrylic binder.
<b>Features</b>	<ul style="list-style-type: none"> <li>◆ IMO/SOLAS Compatible (Class A fire rated)</li> <li>◆ MED Certification</li> <li>◆ Outstanding Transmission Loss</li> <li>◆ Excellent Damping to Weight Ratio </li> <li>◆ Easy Application</li> <li>◆ Low VOC Product</li> <li>◆ Fast Drying and Curing Times</li> <li>◆ Applies to Most Any Surface</li> <li>◆ Only damping coating with multiple Type approvals</li> </ul>
<b>Base</b>	Water-based Acrylic Sound Damping Coating
<b>Gloss</b>	Flat
<b>Priming</b>	Self priming over non-ferrous materials (stainless steel & aluminum). Primer required for carbon steel substrates.
<b>Topcoats</b>	Please consult Mascoat for specific details.
<b>Wet Weight</b>	12.3 lbs/gallon (1.5 kg/liter)
<b>Weight Dry Film To Area</b>	0.23 lbs/ft <sup>2</sup> at 20 mils DFT (1.15 kg/m <sup>2</sup> at 0.5 mm DFT)
<b>Volume Solids Content</b>	55%
<b>Average Thickness Per Coat</b>	40–50 mils WFT at 70°–130°F (1.0–1.25 mm WFT at 21°–54°C)
<b>Practical Dry Coat Coverage</b>	20 ft <sup>2</sup> /gallon @ 40 mils DFT (1.8 m <sup>2</sup> /liter @ 1.0 mm DFT)
<b>VOC Content</b>	0.3 lbs/gallon (34.7 g/liter)
<b>Limitations</b>	Applications should not exceed 300°F (150°C).
<b>Storage</b>	Do not subject wet coating in pail form to freezing conditions. Coating should be kept in a warehouse between 60°F and 90°F.

## Substrates & Surface Protection

<b>Surface Prep</b>	Surface should be dry and free of foreign matter. Surface prep can be used to NACE 1-3 (SSPC SP 5-6) when applicable.
<b>Ferrous Surfaces</b>	Should be primed prior to application of MSC-dB Sound Damping Coating. Since the coating is water-based, it is important to have a boundary layer of protection to prevent flash rusting.
<b>Non-ferrous Surfaces</b>	The coating can be applied directly to non-ferrous surfaces. Surface should be clean and free of any oil, dirt or other foreign matter.

## Application Equipment

Listed below are the general equipment guidelines for the application of this product.

<b>Airless Sprayer</b>	Pump Ratio: 33:1 or larger
	Output per Cycle: 180cc (Minimum) 290cc (Optimum)
	Volume: 1.5 gpm (5.7 lpm) or greater
	Hose: 3/8" or larger with no more than 3' of 1/4" whip. 1/2" hose recommended for length above 50'.
	Tip Size: 0.017" (for tight spots) 0.019–0.023" (Normal use)
	Pressure: Minimum of 3000 PSI
<b>Small Spray Application</b>	Please consult Mascoat for the Small Application Sprayer. This sprayer is excellent for small applications and touch-ups.
<b>Brush or Roll</b>	Not recommended for this coating

## Application Conditions

<b>Surface Temperatures</b>	Surface temperatures for applications should be greater than 60°F (15°C). Lower surface temperatures will increase dry times.
<b>Applications</b>	<i>Ambient &amp; Cold (60°–139°F, 15°–59°C):</i> For temperatures (surface or ambient — whichever is lower), an initial tack coat is recommended of 10 mils (0.25 mm or 250 microns). This tack coat will help eliminate sag on vertical wall applications. Tack coat should be dry to touch prior to next pass. Typical coat thickness should not exceed 20–22 mils (0.5–0.55mm) wet. Coating can be reapplied after each coat is thoroughly dry. <i>Hot (&gt;140°F, &gt;60°C):</i> Please consult Mascoat.
<b>Application Thickness</b>	Product can be applied in successive coats to increase performance. There are no upper limitations.
<b>Dryfall</b>	Dryfall within a 3 ft radius.

## Other Coating Specifications

Item	English Value (Metric Value)	Test Method
Cyclic Salt Fog	Excellent 2000 hrs	ASTM B-117
UV-A Exposure	Excellent 2000 hrs	ASTM D-5894
Humidity Cabinet	Excellent 2000 hrs	ASTM D-4585
QUV	Excellent 2000 hrs	ASTM G-154
Cross Hatch Adhesion	100% 5 B	ASTM D-3359
Pull Apart Strength	680–760 psi	ASTM D-4541
Elongation Rate	Above 30%	ASTM D-638
Flame Developed	Class A	ASTM-E-84
Smoke Developed	Class A	ASTM-E-84
IMO Fire Test	SwRI Project No. 01.2555.02.157-150105a	

## Mixing & Thinning

<b>Mixing</b>	Only a mud mixing paddle should be used. Use 1/2" drill motor to stir contents with paddle. <i>Make sure drill is set to reverse to ensure that the paddle will not mar the bucket's inner wall.</i> Please consult Mascoat for paddle, if needed. <b>DO NOT MECHANICALLY SHAKE.</b>
<b>Thinning</b>	<b>DO NOT THIN</b> unless authorized in writing by Mascoat.
<b>Pot life</b>	Coating is one part, so no catalyzation is needed. Pail can be reused if properly sealed.

## Package, Handling & Storage

<b>Container</b>	5 Gallon Pail (18.92 Liters)
<b>Container Wet (with pail/lid)</b>	64–66 lbs/5 gallon pail (29–30 kg/18.92 liters)
<b>Net Contents (wet)</b>	61–62 lbs/5 gallon pail (27–28 kg/18.92 liters)
<b>Flash Point (Setaflash)</b>	None
<b>Storage</b>	Do not subject wet coating in pail form to freezing conditions. Coating should be kept in a warehouse between 60°F and 90°F (15°C-32°C).
<b>Shelf Life</b>	24 month shelf life from manufacture date.
<b>Caution</b>	Do not let product freeze. Do not shake bucket.

## Cleanup & Safety

<b>Cleanup</b>	Equipment may be cleaned with soap & water.
<b>Safety</b>	For minimum protection, Mascoat recommends an N95 particulate respirator mask. For additional protection, a half mask respirator with organic vapor cartridge can be utilized. Eye protection recommended due to spray application method.
<b>Ventilation</b>	Recommended for constricted areas.
<b>Clothing</b>	Safety clothing & gloves are recommended.

## Dry Times vs. Humidity

Surface Temperature	% Humidity	Time Between Coats (hours)
61–70°F (16–21°C)	10–30%	2.00
	31–50%	3.00
	51–70%	4.00
	>70%	6.00
71–80°F (22–26°C)	10–30%	1.50
	31–50%	2.00
	51–70%	2.50
	>70%	3.00
81–90°F (27–32°C)	10–30%	1.00
	31–50%	1.75
	51–70%	2.00
	>70%	2.25
91–100°F (33–37°C)	10–30%	0.75
	31–50%	1.00
	51–70%	1.25
	>70%	1.50
101–110°F (38–43°C)	10–30%	0.40
	31–50%	0.50
	51–70%	0.60
	>70%	0.80
111–120°F (44–49°C)	10–30%	0.35
	31–50%	0.40
	51–70%	0.50
	>70%	0.60
121–130°F (50–54°C)	10–30%	0.35
	31–50%	0.40
	51–70%	0.50
	>70%	0.60

This is the estimated dry time for 15–20 mils (0.38–0.50 mm) of Mascoat Sound Control-dB wet. Dry time may vary depending on other conditions such as wind or enclosed environments. Use 90° thumb test or moisture meter prior to recoat. Moisture readings should be less than 12% prior to recoat and 0% prior to topcoating. Lighter thickness passes will expedite dry times. Forced ventilation in confined areas will also expedite dry times and is always recommended in confined spaces.

## Cure Times

Temperature	Cure Time
50–60°F (10–15°C)	60–72 hrs
61–70°F (16–21°C)	48–60 hrs
71–80°F (22–26°C)	36–48 hrs
81–90°F (27–32°C)	20–24 hrs
91–100°F (33–37°C)	18–20 hrs
>100°F (>37°C)	14–16 hrs

The data within is true to the best of our knowledge on the date of publication and is subject to change without prior notice. We guarantee our products to conform to Mascoat quality control. We assume no responsibility for coverage, performance or injuries resulting from use. Liability, if any, is limited to replacement of products. All logos are property of their respective owners.