

APPLICATION INSTRUCTIONS FOR MASCOAT SOUND CONTROL-dB

OVERVIEW: This coating is designed to provide dramatic sound dampening characteristics when applied correctly. All ingredients are considered safe and environmentally friendly. Please make sure to follow directions closely for proper application of this coating.

GENERAL INSTRUCTIONS: Mascoat Sound Control-dB must be applied in temperatures above 60°F (16°C) to upper limit of 200°F (93°C) due to its water-based structure. The coating can be applied in successive coats to provide added insulation qualities with no upper limitation. Sound Control-dB should be applied as close to the substrate as possible. Coating must be dry to touch prior to application of next coat to insure no water entrapment. Please follow directions closely to insure proper coverage and insulation capabilities. When using Mascoat Marine-DTM or Mascoat Industrial-DTI (Mascoat's thermal insulation coatings), Sound Control-dB should be applied first for best sound dampening results, with DTM applied direct to Sound Control-dB.

SURFACE PREPARATION FOR METAL APPLICATIONS

Preparation for Metal Applications

Bare steel substrates will need to be cleaned and primed prior to application of Sound Control-dB. If the substrate is coated with pre-construction primer, this will suffice as a primer. Make sure that all areas of the steel, including welds and touch up areas; have been coated with the primer. Wait 24 hours to make sure primer is cured. Sound Control-dB can be sprayed directly on top of the primer without any other prep. If there is a large delay between coating primer and Sound Control-dB application, make sure that the area is clean and free of any foreign matter. This can be accomplished by wiping the surface down with a rag or air sweep.

Galvanized Metal

Mascoat Sound Control-dB can be applied directly to galvanized metal. No additional primer system is needed. Substrate needs only to be cleaned with either of the two recommended cleaning methods:

- If surface is new galvanized metal, a light vinegar wash is required prior to application. This wash is to insure that all oils and protective compounds are removed from the surface. A light pressure wash is also recommended.
 - If the surface is older galvanized metal and somewhat dirty, a light pressure wash is recommended. Make sure that all degraded substrates are either repaired or replaced prior to the application of the coating.
 - Light surface sanding can also be used as a means for providing better adhesion on slick surfaces.
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Preparation for Aluminum Substrates

Mascoat Sound Control-dB can be directly on top of aluminum and stainless substrates without any primer. Since the coating contains no chlorides, it has no problem with these substrates. If the substrate is fairly new, we recommend a light vinegar wash prior to application. This can be accomplished by simply wiping down the substrate with a light mixture of household white vinegar and water.

Application of Mascoat-dB Prior to Mascoat Marine-DTM Coating

Note: Mascoat Sound Control-dB should be applied direct to primed metal as the coating works most efficiently when attached closest to metal substrate. Mascoat Sound Control-dB needs to be close to the metal so it can decrease the sound transfer prior to the insulating coating material. Sound Control-dB can be applied with a dry time window of at least 12 hours prior to application of Mascoat Marine-DTM. For colder environments, please allow 24 hours for dry time.

For more details on surface prep, please see our website: www.mascoat.com

SPRAY APPLICATION INSTRUCTIONS

Equipment Needed For Spray Application

- Airless spray system of at least 1.0 gallon per minute product delivery rate at 3000 PSI. Recommend Graco NXT sprayer or equivalent. Make sure equipment is in good working condition prior to spraying. If seals are old or worn, replace prior to spraying dB.
- 50-100' of 3/8" Spray Hose line.
- Reversible nozzle with tip size 317-523. Fan size depends on area to be sprayed.
- Graco CONTRACTOR or SILVER GUN with 3/8" hose swivel
- Respirator or dust mask, paint suit or similar clothing.
- 1/2" drill motor with reverse setting.
- 1/2" sheet rock mud mixing paddle (blade style). Supplied with shipment.
- Pail opener and/or knife
- Hopper or other five-gallon pail
- Access to water

If equipment cannot be readily available, please call Mascoat. We have the items that are designed for any Mascoat Sound Control-dB application.

Direction for Spray Application of Mascoat Sound Control-dB

Make sure to wear gloves, and use air respirator methods if applying product in small, confined areas. The product is environmentally friendly, but please dispose of container or wash water as per your local guidelines. If you should have any problems or issues, please contact your distributor or Mascoat.

1. **Open container using removable tear top tab on the bottom of the lid.**
Using tear tab will make resealing of pail easy. Pry sides open and remove lid.

2. **Stirring may be required.** Make sure to use paint or mud mixing paddle to agitate contents. Slowly agitate the coating on the reverse drill motor setting. This will ensure that the paddle conforms to the bucket sidewalls and prevent cutting the bucket. Be careful not to splatter contents out of pail. Addition of water is not normal with this product. In some instances water maybe needed to aid flow characteristics. Do not add more than 2 pints (500 ml) to a 5 gallon pail. Adding water will aide in flow and spray ability, but will increase dry time, so only add water if flow and spray ability is a problem.
3. **Flush all solvents from sprayer with water.** Prime sprayer using only water with either gun removed from line or with orifice nozzle out of the spray gun. Flush 10-15 gallons of fresh water through sprayer to ensure removal of all thinners or foreign debris.
4. **Place pickup nozzle in product pail or hopper and prime product throughout sprayer.** Prime without gun or orifice nozzle. When product consistency is thick, stop sprayer and attach gun or orifice nozzle. This may take a moment, as the system will have to bleed until pressure is reduced. Place tip in reversible head, place reversible nozzle on gun and insert tip. Tip size depends on area sprayed. Common tip size is 519 - 523). Product is now ready for application to substrate.
5. **Use sample area to adjust sprayer pressure.** It may take a little time to get the pressure just right, so adjust it in slow increments. Product should not finger, and should have a good, solid, fan pattern. With most large pneumatic sprayers, air pressure of 50-80 PSI is adequate if CFM is consistent. If CFM is reduced, more pressure will be needed. Make sure air delivery is not restricted, and is strong enough to power sprayer.
6. **Spray product onto substrate in a methodical fashion.** A light tack coat of 8-15 mils is recommended. Let the coating tack dry to give surface tension. Remember that this is a coating, not paint. It is very important to ensure an even coat throughout substrate. Typical coating thickness is 20-30 mils wet per coat gauged by a wet film thickness gauge. Note: Vertical surfaces (after tack coat) may require a maximum coating thickness of 20-25 mils wet to reduce risk of sagging. Coating may be applied in up to 40-mil layers based on conditions chart below. Coating should be entirely dry prior to recoat procedure. Please use moisture meter for determination of dryness, as it is the best measurement device.

Ambient Temperature	Allowable Wet Film Thickness
Optimal (+80°F (26°C))	20 - 40 mils (0.5 - 1.0 mm)
Normal (70 - 80°F (21 - 26°C))	20 - 30 mils (0.5 - 0.75 mm)
Borderline (<70°F (21°C))	< 20 mils (0.5 mm)

Brushing Application Instruction

1. **Mix product as per regular instructions on pail.**
2. **Prep surface as you normally would with conventional brushing application.**
3. **Brush product as you would brush most any other paint system.** Try to brush in one direction and in methodical fashion. Excessive stroking will only remove product from substrate back to brush. Build up an 8 - 15 mil (0.25 - 0.40 mm) later and wait until it is dry to touch. This coating should show initial brush strokes. The strokes will disappear as the coating begins to dry. It will self-level by itself to some degree.

Directions for Rolling Application

1. **Mix product as per regular instructions on pail.** Thinning will be needed for rolling. Make sure to follow the same instructions above for thinning.
2. **Put drop cloth and/or tape areas that you desire not to paint.**
3. **Immerse the roller in water.** Squeeze out water to keep roller only damp.
4. **Pour the coating onto the substrate in small pours or place contents of coating into roll tray.**
5. **Roll into the contents of the coating and roll methodically.** Coat the surfaces evenly by using plenty of product. If the roller has the "smacking" sound, there is not enough coating on the roller. Remember
6. This is a coating and not a finish paint system. Product thickness is the goal, not aesthetics.

Cleanup

Due to Mascoat Sound Control-dB's water based structure, cleanup is simple. Wash all equipment and all tools with water. Over-spray may be cleaned with water, acetone.