SPECTRUM™ LIQUID SOUND DEADENER

INSTALLATION INSTRUCTIONS

RECEIVING & HANDLING AND PREPARATION INSTRUCTIONS

RECEIVING AND HANDLING

Prior to opening, check container for any obvious shipping damage. If no evidence of damage is present, move to a dry/controlled area. If damage has been identified, record it/photograph it. The product has a shelf life of 1 year unopened and 30 days once opened when stored at room temperature. Do not freeze Spectrum™. If it does freeze, do not attempt to mix, shake, or move it until completely thawed. Take pictures and contact our customer service team. Do not thin or tint Spectrum™.

PREPARATION TOOLS

- Denatured Alcohol
- Spectrum PlastiWrap or Other Masking Material
- POR-15 Self-Etching Primer (for priming surfaces)
- 220 Grit Sandpaper (for scuffing)

PREPARATION INSTRUCTIONS

1. Remove any upholstery or carpet to expose bare sheet metal.
2. Use denatured alcohol to clean the surface of any dirt, oil, tar, rust, grease, salts, and films to ensure a solid contact surface. For rusted metal, sand down and clean off all loose pieces. For rust that has eaten through the metal, apply a primer. For home & commercial metal roof applications, pressure washing is encouraged.
3. Spectrum™ is designed to adhere to metal. When applying to plastic or fiberglass, use a self-etching primer. For high-gloss, shiny, smooth, bright, or wax-finish metal, scuff it up or use a primer. If you are uncertain, we recommend using a primer. See chart on page 2 for more details.
4. Mask off and cover everything close to the application surface to avoid overspray.
5. Check the ambient temperature where Spectrum™ will be applied and dry before starting application. The ambient temperature must remain above 50°F throughout the entire install and 24 hours after.

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PRIMER & DRYING GUIDELINES

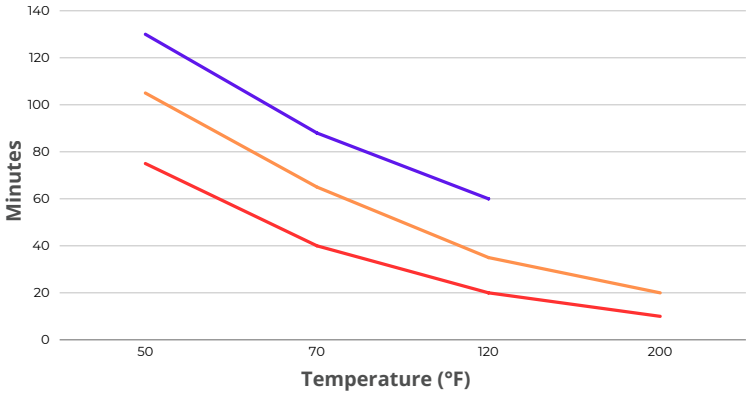
PRIMER GUIDELINES

DO I NEED A PRIMER?				
Metal	High Gloss, Shiny, or Wax Finish Metal	Plastic	Fiberglass	Wood
Primer Not Required	Scuff Up or Use Primer	Self-Etching Primer	Self-Etching Primer	Primer Not Required

DRY-TO-RECOAT GUIDELINES

1.5mm - dry
1.0mm - dry
0.5mm - dry

Recommended: Wait two hours between coats, or follow chart



* We recommend applying Spectrum™ in 1mm layers and checking for dryness by touching with your finger to see if you pull any residue. The 3 dimensions that affect dry time are thickness, temperature, and humidity.

FASTER DRY TIME	SLOWER DRY TIME
Thinner Layers	Thicker Layers
Higher Temperatures	Lower Temperatures
Lower Humidity	Higher Humidity

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BRUSHING AND ROLLING INSTRUCTIONS

INSTALLATION TOOLS

- Paint Brush or Roller
- Paint Roller Pan

HOW TO INSTALL

1. Dip brush or roller into Spectrum™ and apply at a 1mm thick layer (about thickness of a credit card). If Spectrum™ runs, you are applying it too thick.
2. Allow 30-60 minutes (depending on temperature and humidity) for Spectrum™ to be dry to the touch (no residue when touched) before applying the next layer. Spectrum™ will change from dark blue to black when it dries. Do not apply heat directly to Spectrum™ to reduce dry time or increase cure time. Run water over the brush or roller in between coats to prevent Spectrum™ from setting.
3. Apply additional 1mm thick layers for a total thickness of 2-3mm (max 5mm).
4. Wait 24-36 hours (depending on temperature and humidity) before replacing upholstery, and wait 7-10 days before painting of applying a bed liner.
5. Clean the brush or roller within 30 minutes of use to prevent Spectrum™ from setting.

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SPRAY GUN INSTRUCTIONS

INSTALLATION TOOLS

- Spectrum Spray Gun
- Spectrum Bottle
- Air Compressor (6+ Gallon Tank) (50-85 psi & flow rate of 4-6.5 CFM)
- 5/8 Hose compatible with Air Compressor and 5/8 tip for gun

HOW TO INSTALL

1. Install tube into spray gun, fill the bottle with Spectrum™ and secure onto gun. A big mouth funnel (fast) or solo cups (slower) can be used to fill the bottle. A second bottle will reduce downtime.
2. Hold the sprayer 6-10" from the application surface and apply Spectrum™ with a slow sweeping motion to 1mm thick layers. If Spectrum™ runs, you are applying it too thick.
3. Allow 30-60 minutes (depending on temperature and humidity) for Spectrum™ to be dry to the touch (no residue when touched) before applying the next layer. Spectrum™ will change from dark blue to black when it dries. Do not apply heat directly to Spectrum™ to reduce dry time or increase cure time. Run water through the gun in between coats until it shoots clear to prevent Spectrum™ from setting.
4. Apply additional 1mm thick layers for a total thickness of 2-3mm (max 5mm).
5. Wait 24-36 hours (depending on temperature and humidity) before replacing upholstery, and wait 7-10 days before painting of applying a bed liner.
6. Clean the spray gun within 30 minutes of use until it shoots clear to prevent Spectrum™ from setting inside the gun.

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AIRLESS SPRAYER INSTRUCTIONS

INSTALLATION TOOLS

- Airless Sprayer System Options:
  - PowrTwin 6900 Electric Powered Airless Sprayer System (1.25 GPM / 3300 psi max)
  - PowrCoat 1045 Air Powered Airless Sprayer System (4 GPM / 4500 psi max)
- RX-Apex Gun and Hose Kit (Includes 50' x 3/8 Hose & 3' x 1/4 whip hose)
- 531 Spray Tip (10" Spray Pattern) or 431 Spray Tip (8" Spray Pattern)
- 55 Gallon Drum Siphon

HOW TO INSTALL

1. Setup your airless sprayer with drum siphon, spray tip, RX-Apex Gun, and hose (we recommend the 3/8 hose for easier flow and reduce pressure drop). Test pressure input and tip size on small sample.
2. Hold the sprayer 6-10" from the application surface and apply Spectrum™ with a slow sweeping motion to 1mm thick layers. If Spectrum™ runs, you are applying it too thick.
3. Allow 30-60 minutes (depending on temperature and humidity) for Spectrum™ to be dry to the touch (no residue when touched) before applying the next layer. Spectrum™ will change from dark blue to black when it dries. Do not apply heat directly to Spectrum™ to reduce dry time or increase cure time. Run water through the gun in between coats until it shoots clear to prevent Spectrum™ from setting.
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FREQUENTLY ASKED QUESTIONS

1. How thick should Spectrum be applied?
We recommend 2 or 3 coats (1mm per coat) to a recommended thickness of 2-3mm. The maximum total thickness is 5mm.

2. How much does 1 gallon of Spectrum cover?
Each gallon will cover 20 sq ft at a thickness of 2mm (2 layers).

3. What's the best way to apply Spectrum?
Apply it with a spray gun, paint brush, or roller. For the Sludge version, apply with a gloved hand or trowel.

4. Can I paint Spectrum or cover it with a bedliner?
Yes, but wait 7-10 days for it to fully cure.

5. How long will Spectrum last in its container?
Spectrum will last 1+ years if unopened. Once exposed to oxygen, the shelf life is 30 days.

6. How do I clean up Spectrum?
Clean within 30 minutes with water. Do not get on clothing.

7. Can I apply Spectrum to drywall?
Spectrum is designed to damp vibrating metal and should not be applied to drywall.

8. Once applied, how resistant is it to damage?
Spectrum is waterproof, mold/mildew/chemical resistant, and will reject rocks and dirt. It was originally designed as an undercoating.

9. How heat resistant is Spectrum?
Spectrum is heat rated to 400°F. Don't apply Spectrum directly to any heat sources. It should be 2" away from the exhaust, headers, etc.

10. Can Spectrum be exposed to UV?
Yes, it does not crack or fail over the years. It will fade from black to dark grey with time.

11. Do I need to clean off rust before starting my application?
Yes.

12. Do I need to apply Spectrum directly to the metal?
Yes.

13. Can I add more layers later?
Yes.

14. Can I sand Spectrum down?
Yes.

15. Should I clean the spray gun, brush or roller between coats?
Yes. For spray guns, run water through it until it shoots clear.

16. Can I thin Spectrum with water?
No.

17. Can Spectrum be tinted?
No.

18. Can I heat Spectrum to dry it faster?
No.

19. Is Spectrum a bedliner?
No.