



## Specification Sheet

### Spectrum



Spectrum is a water-based acrylic coating, engineered to absorb resonant energy and reduce the transmission of airborne noise in passenger vehicles. Spectrum can be used as an interior coating, or as an exterior undercoating to reduce road, engine and exhaust noise as well as provide a seamless barrier against moisture, helping to prevent rust.

### Preparation

After the upholstery or carpet is out, and the vibration damper installed remove loose debris, rust, dirt, and waxy oils to insure a solid contact with Spectrum. Most new cars will not need much prep work while some older vehicles should be treated with a degreaser or solvent. Mask off all interior and exterior areas of the car for overspray. Cover any mechanical or moving parts as well as wires and wire harnesses. If you don't want to cover it in Spectrum, mask it off.

### Application

1. Spectrum can be applied with a brush, or with the Second Skin Spray gun. How Spectrum is applied has nothing to do with how well it will perform. The goal, regardless of application method, is a total thickness of 1 to 3mm. At a minimum, Spectrum must measure 1mm thick, which is slightly thicker than a credit card. 2mm is better, while 3mm is ideal. At 1mm a gallon will cover about 40 sq feet. Reaching a target thickness of 1mm can take between 2 and 5 coats depending on how thick each layer is.
2. Spectrum will skin over after 30 minutes depending on the ambient temperature and humidity. Additional coats can be applied at this time.
3. Most regular paint guns will not be able to spray Spectrum due to the extremely viscous consistency, so we suggest using a HVLP undercoating gun, or the Second Skin Spray gun. Whichever you use, the nozzle and stem must be 2mm.

### Recommended Installation Locations

Spectrum should be used as an exterior undercoating and inside the car as an interior coating. Spectrum will only adhere to metal, and should not be applied to plastic or upholstery.

#### Exterior

- Floor pan - Entire floor pan including the wheel wells and lower half of the firewall or on trucks, the lower half of the rear wall between the cab and the bed.

#### Interior

- Floor pan - Entire floor including the trunk floor and under the rear seat
- Doors – Inside skin and outer skin of the door
- Trunk - Floor, quarter panels, rear deck, lid and wheel wells
- Ceiling – On the sheet metal and bracing
- Firewall – Entire firewall
- Hood – entire hood