

# Installation Instructions

---

## Sound Damping Compound Part #VBD-10

- 1) **Preparation:** clean surface. Be sure to remove all oil, loose paint, scale, dirt or other foreign material.
- 2) **Methods:** VBD-10 can be brushed, troweled, dipped or sprayed on surfaces.
  - a. **Remember:** surfaces to be treated or damped to reduce noise, vibration, reflection or oil canning of surfaces should be cleaned and free of dust, oil, etc. Once drying process is complete additional thickness can be applied for improved performance.
- 3) **Application Equipment Data:** when spraying damping compound it is recommended that “airless spray” equipment, as described below, is used.
  - a. Airless Spray System: Graco (or equal) bulldog Hydra-Mastic 30.1 pump, with Hydra-Mastic gun model 207-300 (series F-less diffuser) with swivel. A reverse-a-clean nozzle model 205-614, with a ball tip having a slotted head and orifice of .041. Material hose from pump to gun should be 3/4” wire braided fluid hose with a 2” whipend. Air supply at source should be 90-100 lbs. This system when functioning properly will pump approximately three (3) gallons per minute.
- 4) **Caution:** addition of water changes physical properties. Performance is adversely affected. No express or implied warranty can be made as a result of the addition of water. Substrate temperature should not be lower than 40°F (5°C) and should not be higher than 110°F (44°C) at time of application. Must be protected from freezing during storage and after application until thoroughly cured.
- 5) **Coating Thickness:** a 1/16” max. Thickness per application can be applied; however, lighter applications will dry faster. VBD-10 can be applied in layers to build up to any thickness required. As a rule of thumb for damping, a coating of 1 to 1 1/2 times the thickness of the metal will provide optimum results. Dry thickness will be approximately two-thirds of the wet thickness, depending on method of application.
- 6) **Drying:** drying time is contingent upon thickness of coating, humidity, ambient temperature and ventilation. Normally, drying will be complete in 24 hours. Where greater drying speed is desired, use forced ventilation heat, or infrared lamps keeping artificial heat below 200° F.
- 7) **Painting:** after damping compound is completely cured, it may be painted with a water-based paint. (do not use oil or solvent based paint.)
- 8) **Shelf life & clean up:** unopened containers should last up to 1 year, if stored above 40°F. After containers have been opened, add 1/8” water to the surface of the material before resealing. Clean all tools immediately in warm water. Spills should also be removed with water before the material has time to set-up. After curing, VBD-10 can be removed with solvent-type cleaners.

ArtUSA 2775 Bankers Ind. Dr Atlanta GA 30366

[www.noisecontrolproducts.com](http://www.noisecontrolproducts.com) 1-888-454-6975