

# APPLICATIONS INSTRUCTIONS:

## VBD-10 DAMPING COMPOUND

### Preparation:

**CLEAN SURFACE.** Be sure to remove all oil, loose paint, scale, dirt or other foreign material. VBD-10 is a water base emulsion product, and therefore can be applied to a damp surface.

### Methods:

VBD-10 can be brushed, troweled, dipped or sprayed on surface.

### Application Equipment Data:

When spraying damping compound it is recommended that "Airless Spray" equipment be used

### 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 braid 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.

### 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.

### REMEMBER:

Surface 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.

**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 112 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.

### 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 infra-red lamps. Keeping artificial heat below 200°F.

### PAINTING:

After damping compound is completely cured, it may be painted with a water-based paint. (Do not use oil or solvent based paint.)

### SHELF LIFE & CLEAN-UP:

Unopened containers should last up to 1 year, if stored above 40°F. After containers have been opened, add 1/16" 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 a solvent-type cleaner.

Acoustical Wall Panels shall be 1½" thick. Panel shall be constructed of 2 layers of ½" thick 6.0-7.0 lbs. per cubic

B Remove surplus material, rubbish, and debris resulting from panel installation, on completion of the work, and leave areas of installation in a neat and clean condition.

## 2.2 CONSTRUCTION

A The acoustical wall panel product shall be supplied in 48" wide panels with lengths as indicated. All edges will be fully wrapped with mounting as indicated.

## 2.3 MOUNTING

A Back-Mounting Accessories: Manufactures standard accessories for securely mounting panels, of type and size indicated and complying with the following requirements:

1. Mechanically Mounted Edge-Reinforced Panels:  
Metal impaling clips designed to support weight of panels, mechanically attached to wall substrate according to manufactures standard pattern and adhesively bonded to back of panel, with base support brackets where recommended by manufacture for additional support of panels.

## 2.4 FLAMMIBILITY RATING

A All components shall have a Class A Flammability rating per ASTM E- 84: Surface Burning Characteristics of Building Materials, with a Flame Spread of 25 or less and Smoke Developed of 450 or less

## PART 3 EXECUTION

### 3.1 INSTALLATION

A Install Acoustical Wall panels in locations indicated, top edges level and in alignment with other panels. Comply with manufactures written instructions for installation of panels using type of mounting accessories indicated or, if not indicated, as recommended by manufacture.

### 3.2 CLEANING

A After completion of installation of panels, remove dust and other foreign material according to manufactures written instructions.

