

SECTION 13 48 13
SOUND AND VIBRATION CONTROL

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes:
 - 1. Vibration absorption material.
- B. Related Sections:

EDIT NOTE: ADD OR DELETE SECTIONS PER PROJECT REQUIREMENTS.

- 1. Section 09 21 16 – Gypsum Board Assemblies.

1.2 SYSTEM DESCRIPTION

- A. Performance Requirements:
 - 1. Active Content: 68 percent, plus/minus 5 percent.
 - 2. Working Time: 30 minutes at room temperature.
 - 3. Viscosity: Light Paste 65,000 cpd.
 - 4. Color: Blue.
 - 5. VOC: >2 g/l.
 - 6. Flash Point: >200 degrees F (>93.33 degrees C).
 - 7. Application Temperature: 40 to 90 degrees F (>4.44 to 32.33 degrees C).
- B. Fire-related Properties:
 - 1. Product is able to be inserted into fire-rated assembly per International Building Code.

1.3 SUBMITTALS

- A. Comply with Section 01 33 00 – Submittal Procedures.
- B. Product Data: Manufacturer's technical data and the following:
 - 1. Manufacturer's installation instructions.
 - 2. Certified test reports indicating compliance with Performance Requirements specified herein.

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Comply with Section 01 60 00 – Product Requirements.
- B. Deliver and store materials in manufacturer's original unopened containers with brands, names, and production lot numbers clearly marked on these containers.
- C. Storage and Protection: Comply with manufacturer's recommendations.
 - 1. Store products in a cool, dry place out of direct sunlight.
 - 2. Protect from elements and from damage.
 - 3. Do not stack pallets.

1.5 PROJECT CONDITIONS

- A. Environmental Requirements within building:
 - 1. Systems may be installed at any stage of construction.

1.6 WARRANTY

- A. Provide manufacturer's written warranty per Section 01 77 00 – Closeout Procedures.

PART 2 - PRODUCTS

2.1 MANUFACTURERS

- A. Subject to compliance with requirements, provide products from the following manufacturer:

- 1. pinta acoustic, inc.
3800 Washington Avenue North
Minneapolis, Minnesota 55412
Telephone: 800-662-0032
612-520-3620
Fax: 612-521-5639
Website: www.pinta-acoustic.com
E-mail: sales@pinta-acoustic.com

- B. Substitutions: Comply with Section 01 60 00 – Product Requirements.

2.2 MATERIALS

- A. High performance viscoelastic-damping compound designed to decrease sound travel through walls, floors, and ceilings.
 - 1. Fire Rating: Viscoelastic-damping compound complies with the following per ASTM E84:
 - a. Class 1 fire rated.
 - b. Flame Spread: 15.
 - c. Smoke Density: 35.
 - 2. Acceptable Product: PROSPEC Decibel Drop.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Verification of Site Conditions
 - 1. Do not begin installation until substrates have been properly prepared.
 - 2. Do not begin if room temperature is below freezing.

3.2 PREPARATION

- A. Clean surfaces thoroughly before installation.
- B. Follow manufacturer's guidelines for preparation and installation.

3.3 GENERAL MANUFACTURER'S INSTRUCTIONS

- A. Refer to and comply with manufacturer's installation instructions.
- B. Viscoelastic-damping compound provide for 30 minutes of work time, however, assemble panels as soon as possible.
- C. Viscoelastic-damping compound reaches optimal performance in 30 days after assembly.
- D. Clean up with soap and water while viscoelastic-damping compound is wet.
- E. Viscoelastic-damping compound contains no hazardous materials. Dispose of empty containers as you would any building material.

3.4 INSTALLATION OF GYPSUM BOARD

- A. Verify wall framing is in place and ready to receive gypsum board.
- B. Install first standard layer of gypsum board as normal.
- C. Remove dust and debris from gypsum board surfaces to be glued.
- D. Apply prescribed quantity of viscoelastic-damping compound in a random pattern to back of second layer of gypsum board.
- E. Assemble coated gypsum board layer to first layer and screw into place as normal.
 - 1. Use standard gypsum board screws.
 - 2. Screw second layer into wall studs.
 - 3. Screw spacing per local building code.
- F. Seal assembly with caulk or sealant.
 - 1. Seal intersection of wall and floor.
 - 2. Seal gaps between walls and ceiling.
 - 3. Seal electrical boxes.
- G. Gypsum board may be finished immediately after wall assembly

3.5 PROTECTION

- A. Protect installed products until completion of project.
- B. Repair or replace any mechanical damage or deficiencies before Substantial Completion.

END OF SECTION