

SECTION 09 84 33 - SOUND ABSORBING PANELS

PART 1 - GENERAL

1. Drawings and general provisions of the Contract, including General and Supplementary Conditions and Division 01 Specification Sections, apply to this Section.

1.2 SUMMARY

1. Section Includes:
 - a. Acoustical wall panels.
2. Related Sections include the following:
 - a. Division 01 Section "Construction Waste Management"
 - b. Division 09 Section, "Acoustical Space Units Sound Diffusers and Reflectors"

1.3 REFERENCES

1. ASTM E84 Standard Test Method for Surface Burning Characteristics of Building Materials.
 - a. Performance Requirements:
 - 1) Surface Burning Characteristics (ASTM E84):
 - a) Flame spread: 25 maximum
 - b) Smoke Developed: 450 maximum
2. ASTM International:
3. ASTM C423 Standard Test Method for Sound Absorption and Sound Absorption Coefficients by the Reverberation Room Method.

1.4 SUBMITTALS

1. Product Data: Submit product data sheet, for specified products.
2. Shop Drawings: Submit shop drawings showing layout, edge profiles and panel components, including anchorage, accessories, finish colors and textures.
3. Samples: Submit selection and verification samples of finishes, colors and textures.
4. Test Reports: Certified test reports showing compliance with specified performance requirements.

1.5 DELIVERY, STORAGE & HANDLING

1. Delivery: Deliver materials in manufacturer's original, unopened, undamaged containers with identification labels intact.
2. Storage and Protection: Store materials protected from exposure to harmful environmental conditions and at temperature and humidity conditions recommended by the manufacturer.
3. Handle acoustical wall panels carefully to avoid chipping edges or damaged units in any way

1.6 PROJECT CONDITIONS

1. Temperatures
 - a. 1. Maintain substrate surface and ambient temperatures above 55 degrees F, unless required otherwise by manufacturer's instructions.
 - b. Do not apply adhesive when substrate surface temperature or ambient temperature is below 55 degrees F.
 - c. Maintain these conditions 72 hours before, during, and after installation of vinyl wallcovering.
2. Wall Condition
 - a. The wall surface should be clean, dry, structurally sound, and free of mildew, grease, dust, or other stains.
 - b. Remove any existing wallcovering and adhesive.

1.7 QUALITY ASSURANCE

1. Single-Source Responsibility
 - a. Provide acoustical panel units and installation components by a single manufacturer.
2. Coordination of Work
 - a. Coordinate acoustical wall work with installers of related work including, but not limited to building insulation, gypsum board, light fixtures, mechanical systems, electrical systems, and sprinklers.

1.8 WARRANTY

1. Novawall® provides a Limited 2-year Warranty to the Authorized Distributor or Certified Installer for Polyester (PET) Acoustic Panels.

This warranty does not cover a significant change to indoor temperature or humidity, damage by others or normal wear and tear. The use of cleaning agents other than by an authorized Novawall distributor or certified installer will void this warranty. Assumes installation is inside an interior installation, with air conditioning with limited exposure to direct or excessive sunlight.

1.9 ENVIRONMENTAL COMMITMENT

1. Novawall Systems, Inc. is committed to our clients' needs and offers a product line that will promote the design and implementation of a healthy sustainable building with minimal impact on the environment while remaining in complete compliance with fire and safety codes as well as maintaining superior product quality”

PART 2 - PRODUCTS

2.1 MANUFACTURER

1. Novawall Systems, inc.
 - a. 5230 Eisenhower Ave, Alexandria, VA 22304
 - b. 1-800-695-6682
 - c. Novaform@novawall.com
 - d. www.novaform.design

2.2 ACOUSTICAL WALL PANELS

1. Novaform Acoustical Panels:
 - a. Composition: Recycled & Virgin PET Recycled content up to 60%
 - b. Finish: (Color) (Print) (Custom print)
 - c. Thickness: 12mm & 25MM
 - d. Standard Panel Size: maximum 48-inch (1219 mm) x 108-inch (2743mm) panel.
 - e. Edge Detail: [Square]
 - f. Mounting Accessories:
 - 1) Adhesive/Resin
 - 2) Adhesive/Impaling
 - 3) Magnet

- 4) Velcro
- 5) Panel Clip / Z-Clip
- 6) Aluminum extrusion
- 7) Aircraft cabling

2.3 FABRICATION

1. General: Utility knife, panel saw or oscillating knife on CNC machine

PART 3 - EXECUTION

3.1 CONSTRUCTION WASTE MANAGEMENT

1. The contractor, subcontractors, and their personnel shall follow the procedures and practices for waste separation, collection and transport as defined in the contractor's "Waste Management Plan" as required by Division 01 Section "Construction Waste Management."

3.2 MANUFACTURER'S INSTRUCTIONS

1. Compliance: Comply with manufacturer's product data, including product technical bulletins, product catalog installation instructions and product carton instructions for installation.

3.3 EXAMINATION

1. Site Verification of Conditions: Verify that substrate or supporting structure, which has been previously installed under other sections, is acceptable for product installation in accordance with manufacturer's instructions.
2. Do not install panels until unsatisfactory conditions are corrected.

3.4 CLEANING

1. Follow manufacturer's instructions for cleaning panels soiled during installation. Replace panels that cannot be cleaned to as new condition.
2. Keep site free from accumulation of waste and debris.

END OF SECTION 09 84 33