

Acoustifoam FLAT PANELS – CSI Spec

ACOUSTIC Wall panels

1.03 QUALITY ASSURANCE

A. Qualifications:

1. Manufacturer Qualifications:

- a. Use of BASF Basotect material in the fabrication
- b. Confirmed acclimation of material prior to cutting and fabrication
- b. Prior production of material for no less than 3 years.

1.04 DELIVERY, STORAGE, AND HANDLING

A. Deliver wall paneling to project site, or fabrication site, not less than 72 hours prior to start of installation (to allow for suitable acclimation) – especially important in installations where tiles abut one another.

1.05 PROJECT/SITE CONDITIONS

A. Environmental Requirements: Installation spaces, acoustic material, and adhesive (if applicable) must be maintained at normal occupancy temperature and humidity levels (HVAC working) for minimum of 72 hours prior to installation.

1.06 WARRANTY

A. Special Warranty:

1. Décor Acoustics' Warranty: 5 years against material and workmanship when maintain in accordance with manufacturer's installation instructions.

PART 2 – PRODUCTS

2.01 MANUFACTURER

Manufacturer:
BASF
Carl-Bosch-Straße 38
67056 Ludwigshafen/Rhein

DÉCOR Acoustics (Distributor - North America):
5403 Western Ave #C
Boulder, CO 80301
USA

Tel: (720) 449-3063
e-mail: info@DecorAcoustics.com
Website: <http://www.DecorAcoustics.com>

- A. Acoustifoam™ FLAT PANELS:
- B. Colors (select one, or multiples based on design):
 - a. 'Natural'
 - b. Standard colors (make selection)
 - i. White
 - ii. Red
 - iii. Pewter
 - iv. Khaki
 - v. Deep Blue

- vi. Dark Bronze
 - vii. Bright Blue
 - viii. Black
 - ix. Sea Grey
 - x. Sand
- c. 'PCC' (Pantone Custom Colored) – input/select color via Pantone code.
- C. Substitutions: None Permitted.

2.02 MATERIALS

A. FLAT PANELS:

1. Size:
 - a. 24"x24"
 - b. 24" x 48"
 - c. 48" x 48"
 - d. 48" x 96"
 - e. 'custom' (designate size to be cut within 96" x 48" dimensions)
2. Thickness:
 - a. 1"
 - b. 1.5"
 - c. 2"
 - d. 3"
 - e. 'custom' (designate thickness between 0.5" and 4")
3. Physical Property Performance Requirements
 - a. Composition: Open-cell melamine foam
 - b. Density (*per ASTM D 3574*):
 - 0.56lbs +/- 0.09 lb./ft³
 - c. Tensile Strength - min. (*per ASTM D 3574*):
 - 14 (lb/in²)
 - d. Indentation Force deflection - min. (*per ASTM D 3574*):
 - Compression at 25%: 80 (lb·50in²)
 - Compression at 65%: 160 (lb·50in²)
 - d. Thermal Conductivity - min. (*per ASTM C177*):
 - at 75°F mean = 0.25 (BTU·in/h·ft²·°F)
 - e. Sound Absorption NRC (*per ASTM C423*) – 'panel formats':
 1. 1" = 0.65 NRC
 2. 1.5" = 0.80 NRC
 3. 2" = 0.90 NRC
 4. 3" = 1.05 NRC
 - f. Fire-rating (*per ASTM E84*): Class A
 1. Flame Spread <25
 2. Smoke Developed <50
 - g. Service Temperature range: -40°F to 350°F

PART 3 - EXECUTION

3.01 EXAMINATION

- A. Examine conditions to which Acoustifoam FLAT PANELS will be applied:
 1. Store baffles out of direct UV sunlight.
 2. Store and protect Flat Edge Baffles from the elements and from damage.
 3. Do not subject Flat Edge Baffles to critical edge lighting without first consulting Sustainable Materials.
 4. If installing metal hardware in a corrosive environment such as an aquatic center, always use 316 stainless steel corkscrews and hardware.
- B. If any of the above conditions are not met or needs attendance, coordinate with responsible entity to correct unsatisfactory conditions.

3.02 PREPARATION

- A. Acclimatization: Open all DÉCOR Acoustic panel packages to allow the material to acclimate for a minimum of 72 hours prior to the start of the installation.
- B. Fix substrate if needed (as per Examination needs and those relating to the adhesive bond per the instructions of the adhesive selected for use).

3.03 INSTALLATION

[Note: see '*ACOUSTIFOAM – FLAT PANELS Installation Instructions*' for listing of exact steps and installation procedures]

1. Installation via Spray Adhesive
2. Installation via Construction Adhesive
3. Installation via Impaling Clips
4. Installation via Insulation Pins

3.04 CLEANING and MAINTENANCE

- A. Clean and maintain in accordance with guidelines presented in Installation Guidelines.

With any questions, or for this in a digital format, contact:

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