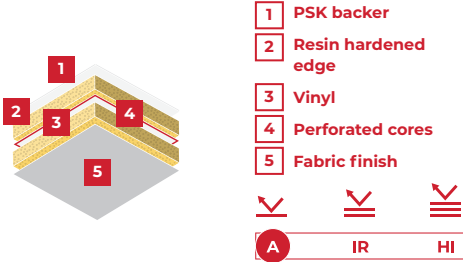


Omniplane Diffuser | Ceiling

► Specialized

These unique panels combine absorption and diffusion into a single acoustic solution. Finished in the same textile offering as other Conwed products, Omni Plane Diffusers can blend into any acoustic solution.

Items to specify



Mounting type

Wall & ceiling applications | Wall applications

Conwed Rotofast EZ-clips
Pre-installed mounting points for engaging Z-bars with depth adjustability. Easy to move and adjust if required (1 1/8"-3 1/8" thickness only).

Z-clip to z-bar

Resin spots

Z-bar to z-bar

Rotofast Snap-on Anchors

Impaling clips/adhesive

Hotmelt fabric adhesion

Provides superior bond strength lasting the lifetime of the product. Easily reactivated for field repairs and modification.

Corners



Edge profile



Dimensions

Height: Max of 48 inches.
Length: Max of 120 inches.

Fabric finish

Carnegie **kvadrat** Guilford of Maine
DESIGNTEX **Knoll** **maharam**

Core thickness

1" 2"

Click for Word specsheet
conwed.com/wordspecsheets/omniplanediffuser-ceiling

SECTION 095114 ► ACOUSTICAL FABRIC-FACED PANEL CEILINGS PART 1—GENERAL

1.1—SUMMARY

- A. Section includes:
Acoustical fabric-faced panel ceilings.
- B. Related work:
The following items are not included in this Section and are specified under the designated Sections:
Section 092100 – PLASTER AND GYPSUM BOARD ASSEMBLIES for plaster and gypsum board walls and ceilings.

1.2—SUBMITTALS

- A. Product data:
Submit manufacturer's product data including certified laboratory test reports and other data required to show compliance with these specifications.
- B. Samples:
Submit 8 3/4 x 11 inch (for thicknesses up to 1 1/2 inches) or 11 1/2 x 11 1/2 inch (for thicknesses larger than 1 1/2 inches) samples of representative panel with factory detailed edge, and representative samples of mounting devices.

1.3—QUALITY ASSURANCE

- A. Pre-installation conference:
Conduct conference at Project site to comply with requirements in Division 01.

1.4—DELIVERY, STORAGE, AND HANDLING

- A. Project conditions:
Protect system components from excessive moisture in shipment, storage, and handling. Deliver in unopened bundles and store in a dry place with adequate air circulation. Do not deliver material to building until wet conditions such as concrete, plaster, paint, and adhesives have been completed and cured to a condition of equilibrium.

1.5—LIMITED WARRANTY

- A. Limited warranty:
Provide manufacturer's standard limited 3-year warranty against manufacturing defects in material or workmanship.

PART 2—PRODUCTS

2.1—SOUND DIFFUSERS:

A. Basis-of-Design: Conwed Omniplane Diffuser | Ceiling

Formerly known as Conwed Omni Plane Diffuser Ceiling Panel.

1. **Construction:** Composite core construction with two layers of dimensionally stable rigid fiberglass separated by a barrier septum.
2. **Fiberglass density:** 6 – 7 pcf.
3. **Recycled content:** For fiberglass, 52 percent pre-consumer and 5 percent post-consumer recycled content.
4. **Core thickness:** 1 inch.
5. **Core thickness:** 2 inches.
6. **Width:** 24 inches.
7. **Length:** Min of 24 inches. Max of 48 inches.
8. **Corners:** Square.
9. **Edge profile:** Square.
10. **Edge treatment:** Resin hardened.
11. **Fabric finish:** Manufacturer, pattern and color as selected; applied directly over face and edges of panels to provide full finished edge, fully tailored corners.
12. **Fabric Adhesion:** Conwed Hotmelt is standard for bonding fabric to the substrate.
13. **Mounting type:** Z-Bar to Z-Bar.
14. **Mounting type:** Ceiling grid system.
15. **Flammability (ASTM E 84):** Panel components shall have a Class “A” rating per ASTM E 84.
16. **Resistivity to heat or cold:** R-factor of 4.16 per inch of thickness.
17. **Acoustical performance:** Values below are for panels mounted in accordance with ASTM C 423 (Type A and E400 Mounting) and vary by panel thickness and finish.
 - a. **Noise reduction coefficient (NRC)** for 1 inch thickness (A Mounting): 0.65.
 - b. **Noise reduction coefficient (NRC)** for 1 inch thickness (E400 Mounting): 0.65.
 - c. **Noise reduction coefficient (NRC)** for 2 inch thickness (A Mounting): 0.90.
 - d. **Noise reduction coefficient (NRC)** for 2 inch thickness (E400 Mounting): —.

PART 3—EXECUTION

3.1—INSTALLATION:

- A. Verify wet work such as plastering and concrete is complete and dry. Verify building is enclosed and under standard occupancy conditions (60 - 85°F and not more than 70% relative humidity) prior to start of installation. Commencement of installation constitutes Installer’s acceptance of surfaces and conditions.
- B. Install products in accordance with manufacturer’s written instructions and in proper relationship with adjacent construction.
- C. Touch-up, repair or replace damaged units until satisfactory results are obtained.

PROJECT ARCHITECT RESPONSIBILITY ►

This is a general specification guide, intended to be used by experienced construction professionals, in conjunction with good construction practice and professional judgment. This guide is to aid in the creation of a complete building specification that is to be fully reviewed and edited by the architect of record (specifier). Sections of this guide should be included, edited, or omitted based on the requirements of a specific project. It is the responsibility of both the specifier and the purchaser to determine if a product or system is suitable for its intended use. Neither Conwed, nor any of its subsidiary or affiliated companies, assume any responsibility for the content of this specification guide relative to actual projects and specifically disclaim any and all liability for any errors or omissions in design, detail, structural capability, attachment details, shop drawings or other construction related details, whether based upon the information provided by Conwed or otherwise.

—END OF SECTION—



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