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# Ceiling Panel | Fabric | IR

Product

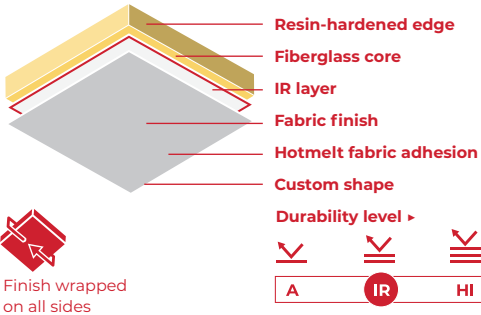
Finish

Durability

Conwed Panels are reliable, all-purpose acoustic solutions. Capable of multiple levels of durability, highly-customizable finishes, and mounting options, this product is suitable for schools, auditoriums, theaters, offices, and libraries: anywhere noise control is needed.

► Respond Series

## Items to specify



### Mounting type



### Core thickness

5/8" 7/8" 1 1/8" 1 3/8" 2 1/8" 3 1/8"

### 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 60 inches or custom.  
Length: Max of 120 inches or custom.  
Maximum Size: For thickness of 3 1/8 inches, max of 16 square feet.

### Fabric finish

Carnegie kvadrat Guilford of Maine  
DESIGNTEX Knoll maharam

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## SECTION 098413 ► FIXED SOUND-ABSORPTIVE PANELS 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



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## PART 2—PRODUCTS

### 2.1—SOUND ABSORPTIVE PANELS

#### A. Basis-of-Design: Conwed Ceiling Panel | Fabric | IR

Formerly known as Conwed Respond IR Ceiling Panel

1. **Construction:** Composite core construction of dimensionally stable rigid fiberglass, laminated with a 1/8 inch layer of impact-resistant material.
2. **Fiberglass density:** 6 – 7 pcf.
3. **Coresh laminated** with 1/8 inch layer of impact-resistant material.
4. **Recycled content:** For fiberglass, 52 percent pre-consumer and 5 percent post-consumer recycled content.
5. **Core thickness:** 5/8 inch.
6. **Core thickness:** 7/8 inches.
7. **Core thickness:** 1 1/8 inches.
8. **Core thickness:** 1 3/8 inches.
9. **Core thickness:** 2 1/8 inches.
10. **Core thickness:** 3 1/8 inches.
11. **Height:** Max of 60 inches and custom.
12. **Length:** Max of 120 inches and custom.
13. **Maximum size:** Thickness of 3 1/8 inches has a max of 16 square feet.
14. **Corners:** Square.
15. **Edge profile:** Square.
16. **Edge profile:** Radius.
17. **Edge profile:** Bevel.
18. **Edge profile:** Miter.
19. **Edge treatment:** Resin hardened.
20. **Edge treatment:** Aluminum.
21. **Edge treatment:** High-pressure laminate for square edge only.
22. **Fabric finish:** Manufacturer, pattern and color as selected; applied directly over face and edges of panels to provide full finished edge, fully tailored corners.
23. **Fabric Adhesion:** Conwed Hotmelt is standard for bonding fabric to the substrate.
24. **Mounting type:** Z-Bar to Z-Bar.
25. **Mounting type:** Resin spots.
26. **Mounting type:** Rotofast™ Snap-on Anchors.
27. **Flammability (ASTM E 84):** Panel components shall have a Class “A” rating per ASTM E 84.
28. **Resistivity to heat or cold:** R-factor of 4.16 per inch of thickness.
29. **Acoustical performance:** Values below are for panels mounted in accordance with ASTM C 423 (Type D5 Mounting) and vary by panel thickness and finish.
  - a. **Noise reduction coefficient (NRC)** for 5/8 inch thickness: 0.70.
  - b. **Noise reduction coefficient (NRC)** for 7/8 inch thickness: 0.80.
  - c. **Noise reduction coefficient (NRC)** for 1 1/8 inch thickness: 0.90.
  - d. **Noise reduction coefficient (NRC)** for 1 3/8 inch thickness: 1.00.
  - e. **Noise reduction coefficient (NRC)** for 2 1/8 inch thickness: 1.05.
  - f. **Noise reduction coefficient (NRC)** for 3 1/8 inch thickness: —.

## 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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