



APPLICATION

Conwed Designscape® Skyway™ Ceiling Clouds Type I are designed for a large variety of applications ranging from single or double panel accents up to large multi-panel ceiling areas. Use in areas requiring excellent sound absorption. Clouds are typically provided painted (New Dimension finish), unpainted (Foundations finish-painted on job-site if desired)** and many fine fabric finishes are also available.

CONSTRUCTION

Panels are produced with a dimensionally stable 6-7 PCF fiberglass board core laminated with 16-20 PCF 1/8" molded fiberglass face. Finishes are completely adhered to all surfaces.

SIZE AVAILABILITY

Available thicknesses are 1½", 1¾" and 2½". Our standard maximum size is 4' x 10'. Custom shapes available. Returned edges are available to simulate thickness and hide attachment hardware.

EDGE DETAIL

All core edges are chemically hardened. Available shapes include square and bevels. Kerfed edges are often used between panels for alignment using splines or ceiling grid.

FINISH

Foundations is a factory-finished proprietary white, acoustically transparent covering with a 'soft drywall' look. This can be field painted with a light spray application.

Subtle Texture is a factory painted finish. White is standard and custom colors are available.

A wide variety of fabrics are available from all major brands including Guilford, Maharam, Knoll, Carnegie and Designtex.

MOUNTING

Acoustical anchors field applied to factory-marked resin spots provide anchor points for wire or cable (provided by others).

T-grid field attached to factory-marked resin spots provide an alternate attachment for wire or cable (provided by others). Use of T-grid can sometimes reduce the number of wires or cables required.

ACOUSTICAL PERFORMANCE

Skyway™ Ceiling Clouds Type I provide excellent acoustical performance for auditoriums, theaters, offices, libraries, classrooms; virtually anywhere sound absorption is required.

The core construction is a dimensionally stable 6-7 PCF fiberglass board laminated with a 1/8" 16-20 PCF molded fiberglass face. The NRC was derived from tests conducted according to ASTM C-423 on a Type J mounting by a NVLAP accredited laboratory.

HZ	125	250	500	1000	2000	4000	NRC
Thickness 1 ½"	0.58	0.91	0.78	1.01	1.05	1.13	0.95
Thickness 2 ½"	0.57	0.82	0.77	0.99	1.04	1.15	0.90

NOISE REDUCTION COEFFICIENT (NRC)

The NRC of the products were determined from an average of sound absorption coefficients obtained from tests conducted according to ASTM C 423 procedures in a NVLAP accredited laboratory.

FIRE PERFORMANCE

Each component has been tested according to ASTM E 84* and has a Class I/A rating.

WARRANTY (3-YEAR LIMITED)

Skyway™ Ceiling Clouds Type I have a limited 3-year warranty. The panels are warranted to be free from defects in material for a period of three years from the date of purchase. See product warranty for details and limitations.

* The ASTM E 84 standard should be used to measure and describe the properties of materials, products or assemblies in response to heat and flame under controlled laboratory conditions and should not be used to describe or appraise the fire hazard or fire risk of materials, products or assemblies under actual fire conditions. However, results of this test may be used as elements of a fire risk assessment, which takes into account all of the factors, which are pertinent to an assessment of the fire hazard of a particular end use.

PART 1 GENERAL

- 1.1** Work in this section shall be subject to drawings, general conditions, schedules, addenda and other contract documents.
- 1.2** The extent of the acoustical panels is shown on the drawings and in the schedules.
- 1.3** Submit _____ (select quantity) samples of each type of acoustical panel as shown on the drawings and in schedules and include appropriate technical information including test data and maintenance instructions. Submit _____ (select quantity) fabric selector cards from manufacturer's standard finishes, or designer specified finishes.
- 1.4** Acoustical panels shall be installed according to manufacturer's recommendations and instructions.
- 1.5** Installation of acoustical panels shall not begin until all wet work (plastering, concrete, etc.) is completed and dry. Building shall be properly enclosed and under standard occupancy conditions (temperature of 60-85°F and not more than 70% relative humidity) before installation begins.
- 1.6** The contractor shall be responsible for the examination and acceptance of all surfaces and conditions prior to the acoustical panel installation.
- 1.7** Substitutions or changes will only be permitted by prior approval by the architect.

PART 2 MATERIALS

- 2.1** Acoustical ceiling panels shall be: Skyway Ceiling Clouds Type I as manufactured by Conwed Designscape®.
- 2.2** Acoustical panels shall be constructed of a composite core construction of dimensionally stable rigid fiberglass of medium density laminated to 1/8" molded fiberglass. Absorptive thickness: shall be (choose one) 1 1/8", 1 5/8" or 2 1/8".
- 2.3** Sizes: ____ width and ____ high or as shown on drawings. Standard maximum is 48" x 120". Custom shapes are available. Panels are to be manufactured according to field dimensions supplied by the installing contractor. Standard tolerances are ± 1/16" in width and length.
- 2.4** Edge profile shall be square, bevel (1/2" or more) or custom _____ (specify). Corner detail shall be Square or radius.
- 2.5** Panel finish shall be _____ (specify finish manufacture, pattern color and specifier). Finish shall be applied directly over the face and edges and returned to the back to provide a full finished edge. All corners are fully tailored. Optional backing includes fabric or scrim (specify).
- 2.6** Standard mountings shall be resin spots for either field applied self-drilling acoustical anchors or ceiling grid mains (by others). Both are attached via wire or cable (by others). (Please specify).
- 2.7** Acoustical Performance: panels shall have a minimum NRC of _____ (please specify) in accordance with ASTM C-423.
- 2.8** Flammability: All panel components shall have a Class "A" fire rating in accordance with ASTM E-84.

**Thank you for choosing Conwed Designscape®
for your acoustical needs.**

The information provided above is correct to the best of our knowledge at time of printing. We reserve the right to make changes without prior notification.

ENVIRONMENTAL AND SUSTAINABILITY

Conwed Designscape is a worldwide leader in building material systems, insulation and composite solutions, delivering a broad range of high-quality products and services. Conwed Designscape is committed to driving sustainability by delivering solutions, transforming markets and enhancing lives. More information can be found at www.conweddesignscape.com.

NOTES

For additional information, refer to the Safe Use Instruction Sheet (SUIS) found in the SDS Database via www.conweddesignscape.com.

DISCLAIMER OF LIABILITY

Technical information contained herein is furnished without charge or obligation and is given and accepted at recipient's sole risk. Because conditions of use may vary and are beyond our control, Conwed Designscape makes no representation about, and is not responsible or liable for the accuracy or reliability of data associated with particular uses of any product described herein.



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