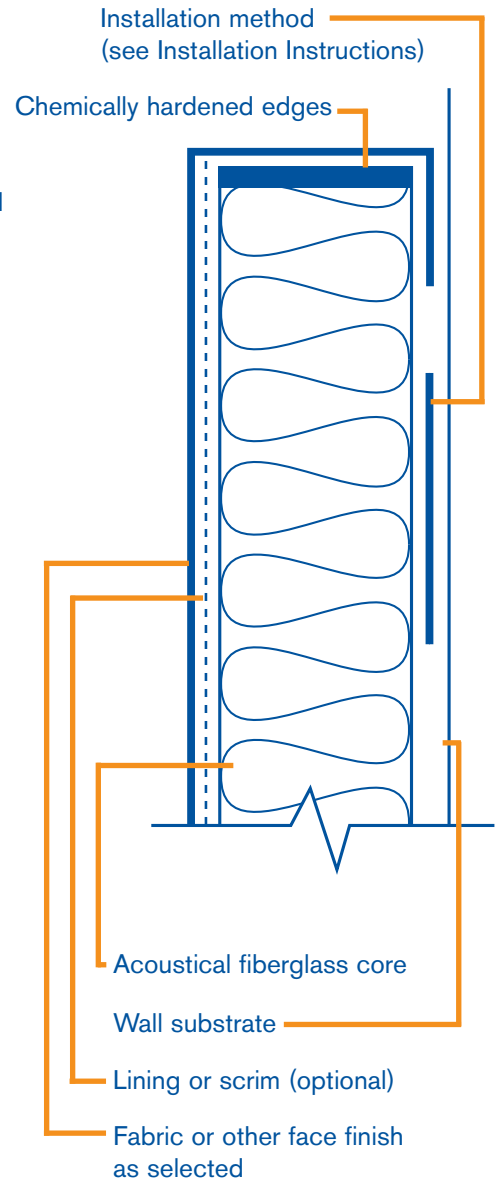


Truetone® Acoustical Panels

The **Truetone®** acoustical panel is **Signature Craft's** most cost effective pre-manufactured product. It is ideal for any space that does not have special requirements in terms of impact resistance. The **Truetone®** acoustical panel is a multipurpose product used for either ceilings or walls, in both flat and curved, applications. **Truetone®** acoustical panels have excellent sound absorption qualities and can be placed in any area where sound is a concern. Chemically hardened edges are recommended for abuse resistance and handling ease. Each panel is fabric wrapped, returned on all four sides, having tailored corners, no exposed edges, and can be mounted on virtually any surface.

General Specifications:

- Typical thickness: 1" ~ 4" (other sizes available)
- Cut to fit sizes: up to 48" x 120" (other sizes available)
- Typical fiberglass density: 6 ~ 7 pcf (other densities available)
- Face Finishes: fabrics, painted panel (**Chroma®**), perforated vinyl or customer's own material (C.O.M.). Finishes must be evaluated and approved by **Signature Craft**
- Installation methods: adhesive, Z-Clip, impaler clip hook and loop or magnetic (see *Installation Instructions*)
- Edge details: square, eased, radius, bevel, or modified miter
- Corner details: square, radius, trapezoidal, or bevel
- Shapes: custom shapes and artwork are available
- Edge treatment: reinforced with chemical hardeners
- Flammability: all components ASTM E84 Class A rated (representative assembly tests available upon request)
- Mock-ups are recommended for proper production and installation tolerances and aesthetics (see *Installation Instructions*)
- Acoustical performance: varies upon fiberglass thickness, face finish and installation method. (representative N.R.C. values shown below)
Note that **Truetone®** acoustical panels are tested with chemically hardened edges, which are typical of most installations and slightly reduce the Noise Reduction Control (N.R.C.) value. Chemically hardened edges prevent sound absorption from the edges of the panels, which in most installations are not exposed, but are in the ASTM 423 test



Truetone® panels are made to industry standard tolerances of +/- 1/16 inch for:

- Thickness
- Edge straightness
- Overall length and width
- Chords, radii and diameters
- Squareness from corner to corner

Acoustical Performance

Thickness"	125Hz	250Hz	500Hz	1000Hz	2000Hz	4000Hz	N.R.C.
0.50	0.01	0.03	0.30	0.80	1.06	1.03	0.55
0.75	0.03	0.17	0.54	0.80	1.06	1.03	0.70
1.00	0.10	0.27	0.80	1.06	1.07	1.05	0.80
1.50	0.13	0.57	0.88	1.04	1.07	1.04	0.90
2.00	0.38	0.72	1.09	1.10	1.04	1.06	1.00
3.00	0.77	0.91	1.12	1.19	1.23	1.21	1.10
4.00	0.83	0.84	1.26	1.24	1.25	1.24	1.15

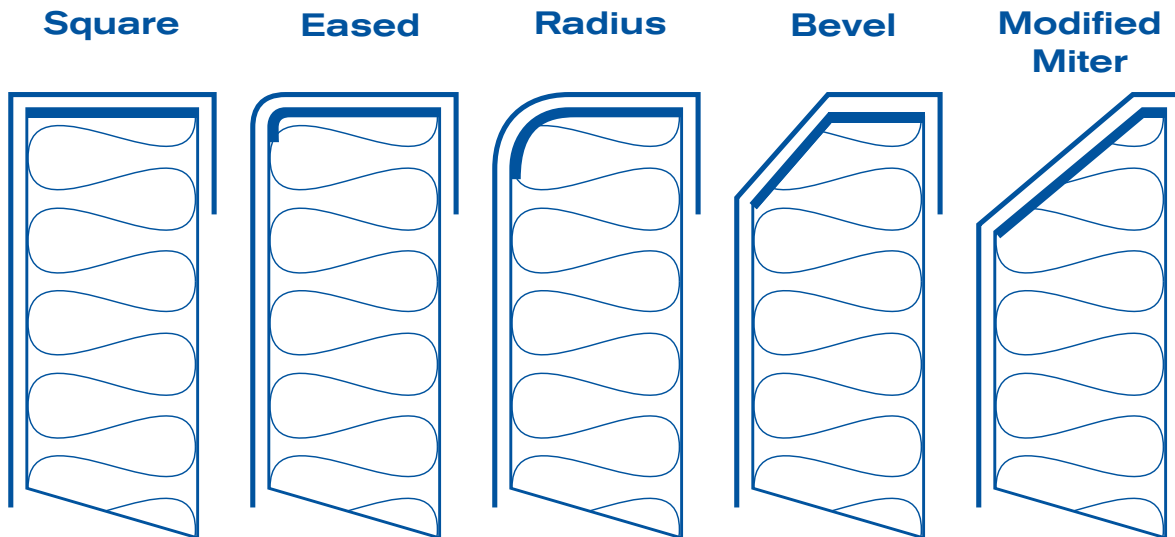
Edge Details

Truetone® acoustical panels offer five different edges which allow you to achieve different and distinct looks. The five choices are; square, eased, radius, bevel, or modified miter. Square edges should be used when inconspicuous lines are desired. Eased, radius, bevel, or modified miter edges should be used when the lines are to be highlighted. Custom edges are available upon request and with **Signature Craft's** evaluation and approval.

Notes:

- Edges can also be used to create a "border" effect. This look is achieved by using square edges where panels butt together and an eased, radius, bevel, or modified mitered edge around the perimeter
- Mitered edges must be modified to insure straightness and proper fit with adjoining work. Bevels are typically 1/4" or 1/2" proportional to thickness of core material
- Mock-ups under jobsite lighting and finish conditions are strongly recommended. Installation should not begin until product is acclimated to environment for 24 hours prior to installation

Edge Details



Truetone® panels are made to industry standard tolerances of +/- 1/16 inch for:

- Thickness
- Edge straightness
- Overall length and width
- Chords, radii and diameters
- Squareness from corner to corner

Corner Details

Truetone® and **Tacwall®** acoustical panels offer four different corner details, square, radius, trapezoidal, or bevel. Square corners are typical where butt joints are primarily used. Radius corners are typically used on stand alone panels. Trapezoidal corners allow for unique shapes and dynamic aesthetics. Beveled corners add dimension to any acoustical panel.

Notes:

- Corners can create a “border” effect. This look is achieved by using square edges where panels butt together and a radius, or bevel corner around the perimeter
- Radius is typical of 2" (other radius by special order)
- Mock-ups under jobsite lighting and finish conditions are strongly recommended. Installation should not begin until product is acclimated to environment for 24 hours prior to installation

Corner Details (Front View)

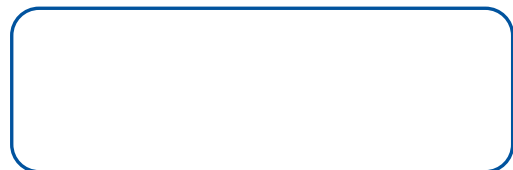
Square Top Square Bottom



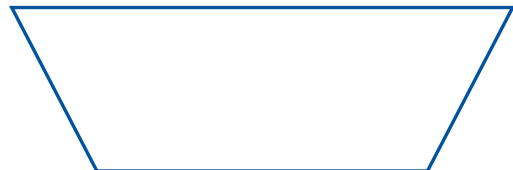
Square Top Radius Bottom



Radius Top Radius Bottom



Trapezoidal



Bevel Top Bevel Bottom

