

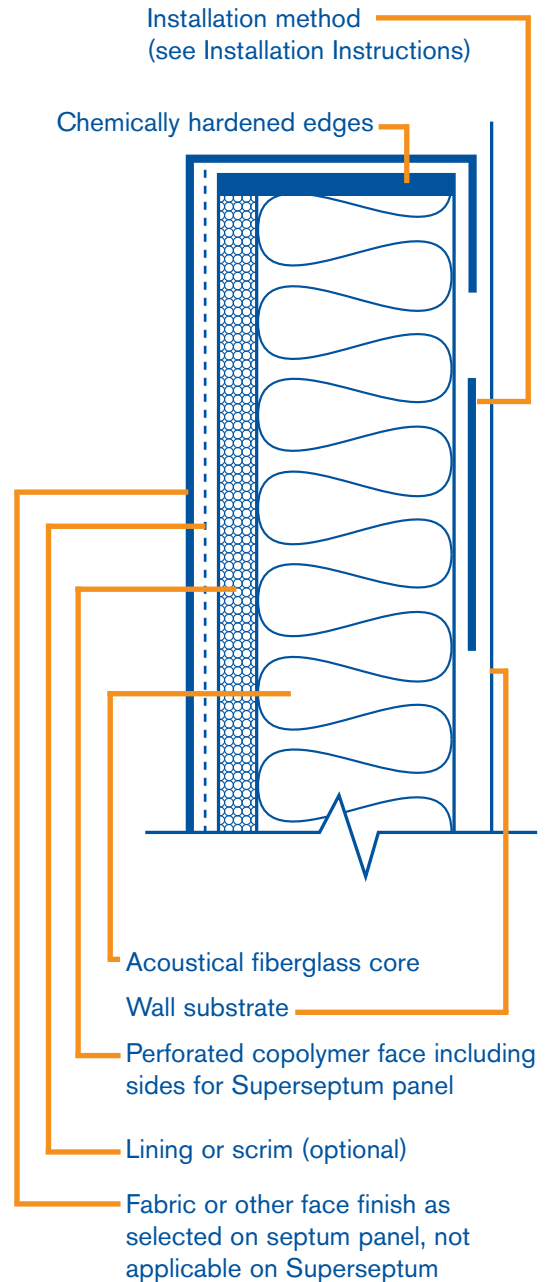
# Truetone® Septum & Superseptum

The **Truetone® Septum** and **Superseptum** acoustical panels have the most abuse-resistant components. They are typically used for ceiling, or flat wall applications. The difference is in the fabrication process. The **Septum** acoustical panels are faced with a perforated copolymer and fabric wrapped. The **Superseptum** acoustical panels, front and sides, are faced with a perforated copolymer only. The **Superseptum** acoustical panels are industrial in nature and appearance as well as showing the color of the fiberglass core through the perforations. In addition this type of panel is prone to mold and dust buildup, thus potentially increasing maintenance costs. **Septum** and **Superseptum** acoustical panels are ideal for gymnasiums, corridors, multipurpose rooms, and any other area where these panels are subject to extreme activity or abuse.

## General Specifications:

- Typical thickness: 1 1/8" ~ 4 1/8" (other sizes available)
- Cut to fit sizes: up to 48" x 96" (other sizes available)
- Typical fiberglass density: 6 ~ 7 pcf (other densities available)
- Face Finishes: fabrics, perforated vinyl or customer's own material (C.O.M.). Finishes must be evaluated and approved by **Signature Craft**
- Installation methods: adhesive, impaler clips\*, Z-Clip, hook and loop or magnetic (see *Installation Instructions\**)
- Edge details: square, eased, custom fabrication required for-radius, bevel, or modified miter
- Corner details: square, custom fabrication required for-radius, trapezoidal, or bevel
- Edge treatment: reinforced with chemical hardeners, if required and/or returned copolymer
- 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 is 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.
1 1/8"	0.12	0.29	0.84	1.10	0.99	0.91	0.80
2 1/8"	0.51	0.74	1.08	1.04	1.08	0.97	1.00

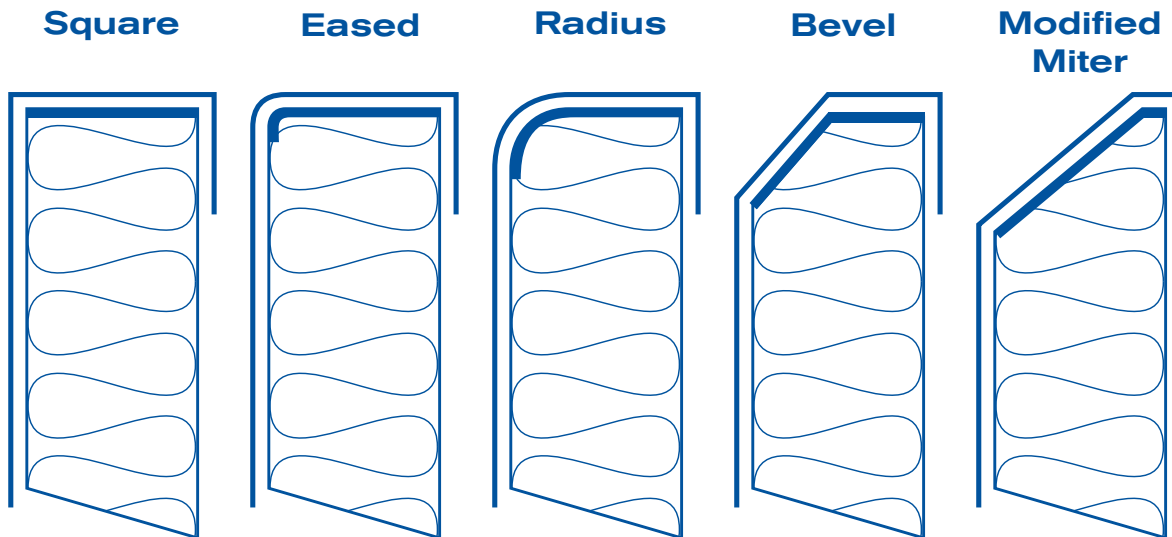
# Edge Details

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

- Thickness
- Edge straightness
- Overall length and width
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- 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

