

TOPLINE SPECIFICATIONS

SECTION 09570 - WOOD CEILING / WALLS

PART 1 - GENERAL

1.1 Scope - The work consists of furnishing all material, labor and accessories necessary to install WoodTrends Acoustical Wood Systems specified herein.

1.2 Delivery and Storage - All material shall be delivered in their original unopened cartons and stored in an enclosed area providing protection from damage and exposure to the elements. Prior to installation, panels shall be acclimated for 72 hours at the temperature and humidity conditions during installation and occupancy.

PART 2 - MATERIAL

2.1 Material

2.2 WoodTrends Acoustical Wood Systems as manufactured by Sound Seal, P.O. Box 545, Agawam, MA 01001. Phone: 1-800-569-1294 Fax: 413-789-4444

2.3 Panels shall be WoodTrends Topline and be supplied in plank sizes of 5" wide x 108" long, or as it is shown on drawings.

2.4 WoodTrends Topline panels shall be available in first quality select _____ veneer with/without custom stain to match architects samples.

2.5 WoodTrends Topline panels shall be constructed using fire rated components meeting or exceeding the requirements of the ATSM E-84 Class _____ (A,B,C) Flame Spread: (A) 25 or less, (B) 26 to 75, (C) 76 to 200 Smoke Developed: 450 or less.

2.6 WoodTrends Topline panels shall have a minimum NRC rating of (0.55, 0.70, 0.75, 0.95) when tested in accordance with ATSM C-423.

2.7 WoodTrends Topline panels shall be installed by means of tongue and groove connection on hardwood or metal furring. The planks are to be attached using supplied nail clips on distances of no more than 24" on center.

PART 3 EXECUTION

3.1 Installation

3.2 WoodTrends Topline panels shall be installed as shown on interior elevation drawings or reflected ceiling plans and indicated on room finish schedule.

3.3 WoodTrends Topline panel installation shall not begin until all wet work is completed and panels have been allowed to acclimate for 72 hours. The installation contractor shall have at least 2 years of successful experience in installation of products with similar requirements to this product. All WoodTrends Topline panels shall be properly installed and free from dirt, dust, grease, oils and fingerprints by wiping clean the surface with furniture polish.

PROJECT LIST:

Here are just a few places where WoodTrends TopLine has been installed.

- North Colorado Medical Center
- Salvation Army Headquarters
Old Orchard Beach, Maine
- Hope College, Martha Miller Center
Holland, Michigan
- Washington University, Olin Library
St. Louis, Missouri
- Aurora County Municipal Center
Aurora, Colorado
- University of Chicago, School of Law
Chicago, Illinois
- Central Intelligence Agency Headquarters
Washington D.C.

For more information on WoodTrends products, please call us at 1-800-569-1294, or visit us online at: www.wood-trends.com.



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Acoustical Wood Plank Systems for Walls and Ceilings

MAKING STATEMENTS IN WOOD



TOPLINE

TOPLINE

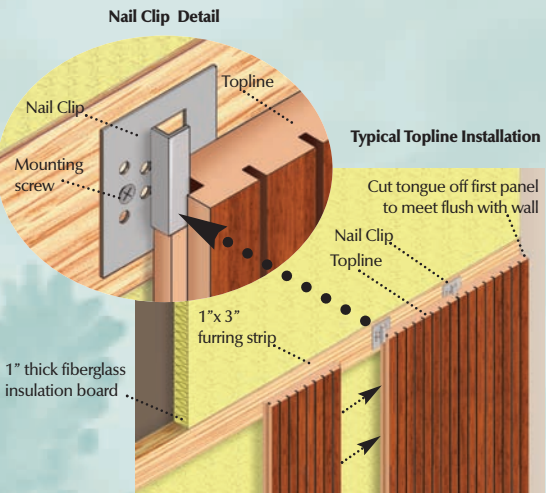
BASIS OF DESIGN

Built on the concept of creating high performance acoustical products with exceptional aesthetic value, WoodTrends Topline Acoustical Wood planks incorporate a variety of configurations to meet every acoustical requirement. Though flat, rigid materials are inherently reflective, balancing sound reflection and absorption is achieved through perforation. Perforated rigid materials, in conjunction with absorptive backings, allow for aesthetically pleasing finishes along with exceptional acoustic performance.

Saw blades are arranged at specific intervals to create the linear face. Wider saw blades arranged on identical spacing are used to cut into the back side of the panel until the tips of the blades cause a perforation in the bottom of the groove. A variety of groove width and spacing arrangements allow for a wide range of acoustical performance tailored to any need. Whether driven primarily by acoustics, aesthetics, or both, Topline’s selection of groove widths and spacings will satisfy even the most demanding requirements.



INSTALLATION DETAILS



Installation of WoodTrends Topline Acoustical Wood planks is made simple by virtue of a special tongue and groove arrangement designed to work in conjunction with a our 5/0 nailclip. This nailclip engages the tongue and groove while still allowing for an overall monolithic appearance.

Except in special circumstances, no adhesives or nailing into the product is necessary. A simple arrangement of furring is used to provide room for acoustical materials behind the planks and also provide a level, secure surface to which to attach nailclips. Field cutting of the Topline planks is no different than cutting any wood product. Typical woodworking tools are used.

Special consideration should be made for preserving the face side of the product. While small dents and scratches can be repaired, major abrasions to the face of the plank should, of course, be avoided.

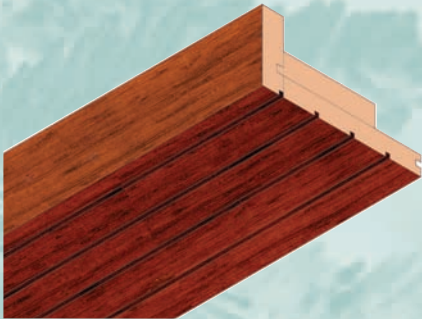
NOISE REDUCTION COEFFICIENT (NRC)*

TOPLINE Model#	SoundTex Only	1" - 3 PCF Fiberglass	2" - 3 PCF Fiberglass	1" - 6 PCF Fiberglass	2" - 6 PCF Fiberglass	1" - 3 PCF Fiberglass w/50mm air space	2" - 3 PCF Fiberglass w/200mm air space
TOPLINE 6/2	.70	.80	.90	.85	.95	.90	.95
TOPLINE 5/3	.75	.85	.85	.80	.95	.85	.95
TOPLINE 14/2	.55	.75	.75	.70	.75	.80	.80
TOPLINE 13/3	.55	.70	.75	.70	.75	.75	.85
TOPLINE 28/4	.50	.65	.65	.65	.65	.65	.65
TOPLINE 29/3	.45	.55	.60	.60	.65	.65	.70

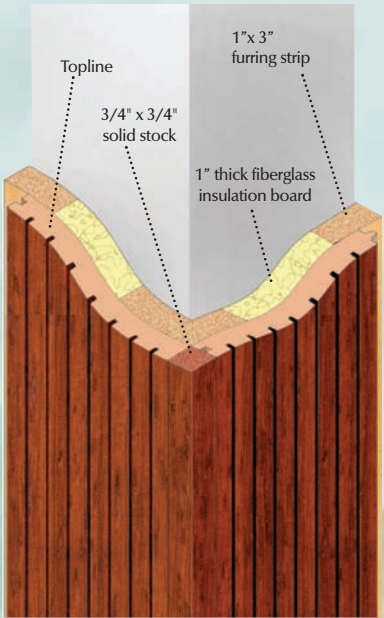
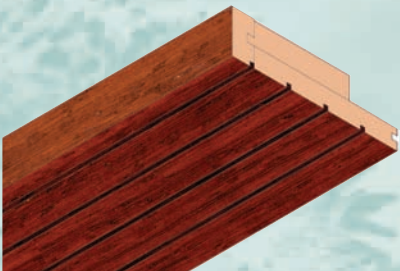
* Octave band data available upon request.

DESCRIPTION

By maintaining complete control of the manufacturing process, from the choice of log from which the veneer will be sliced, to the final coat of UV-polyacrylate lacquer, consistent quality, panel to panel, project to project, is always insured. Select veneers sliced from hand-chosen logs are pressed onto a substrate of fire-retardant medium density fiberboard. A finish process utilizing two coats of UV-polyacrylate lacquer follows, after which the boards are cut to size. Finally, a Soundtex acoustic textile is adhered to the reverse side of the panel. In wall applications where little space is afforded, the Soundtex provides a means of preventing bleed-through of the color of the acoustic material installed behind the panels. In applications where there is a minimum of 8” of airspace behind the panels, this may be the only acoustic material necessary. A special kerfed tongue and groove edge detail is cut into the long edges which allows for an overall monolithic appearance. Typical plank size is 5” or 11 3/8” wide by 108” long. These standard sizes can be custom tailored to fit each application.



Edge Finish Options



CARE AND MAINTENANCE

As with most interior finish products, materials should be stored in areas with functional HVAC systems. Before installation, panels should be allowed to acclimatize to the environment in which they will be installed, for 72 hours. Ideal environmental conditions are 72 degrees F, with a relative humidity of between 45% and 55%. After installation, the panels should be treated as any fine piece of furniture would be treated. A final cleaning with a soft cloth and any good furniture polish will enhance and preserve the luster of the finish. Periodic maintenance of a similar nature will preserve the look and the performance of WoodTrends Topline for many years to come.

VENEERS

Topline, being produced with a .6mm “A” quality veneer laminated to a 16mm FSC certified MDF, is available in a multitude of veneer selections. With over 60 wood species available, an architect or interior designer has almost limitless choices.

