



Recommended Uses

Ceilings

Features and Advantages

- Solo-T panels are easily installed using a “lift and shift” method.
- Concealed T-bar grid
- Provides acoustic absorption
- Can be stained or painted to match other finishes on a custom basis. Samples must be approved and signed off. See also "Stained Finishes" under Design Considerations.

Additional Product Data

ORDERING: Standard lead time is 4 weeks for most small to medium sized orders. Large projects may require longer lead times.

SAMPLES: It is important that samples be approved based on the finished product and not just a sample of veneer. Held close in hand, a dark veneer with a lighter groove could be quite evident but when viewed at a moderate distance, the color will appear as one.

PANEL WEIGHT: Solo-T panels have an overall thickness of 21/32" (nom 16.5 mm) and weigh an average of 2-1/4 lbs. per sq. ft. (11kg/m²).

SUGGESTED TOOLS: Traditional woodworking tools are suitable for cutting Solo-T. Decoustics recommends using large diameter chop saws or radial saws having a carbide blade with a sharp, thin-kerf, 80 tooth - at 10" (254 mm) diameter - and alternating 40° bevel. Cut plank with face up to avoid scratching.

Note: A traditional table saw would require the plank to be cut much slower to avoid tear-out or chipping. If cutouts are required for round fixtures, Decoustics recommends a router and template method using a quality spiral-down carbide flute cutting bit.

INSTALLATION: Solo-T should be installed by qualified finish carpenters in accordance with the Millwork and Acoustical Sections of the specification. Lenga-T is installed onto a heavy duty 15/16" T-Bar grid system. Tools are not required for installation of panels.

ENVIRONMENT: Solo-T panels **must be** stored, installed, and maintained only in a stable ambient environment (relative humidity of minimum 35% - maximum 55%, temperature to be maintained between 20 - 27°C (68-80°F)) Solo panels must be allowed to stabilize on site for 72 hours prior to installation.

Finishes

Solo-T

Natural Wood Veneered Lift & Shift
Acoustical Ceiling Panels

Description

Solo-T is an acoustical 24" x 24" (610mm x 610mm) wood panel product consisting of a perforated (NAF) medium density fire rated fiberboard (MDF) with a ribbed natural wood veneer laminated to the face and an acoustically transparent black mat laminated to the back side. Solo-T panels have two support rails permitting the lift and shift installation and removal of the panels. Safety clips ensure the panels do not dislodge.

Solo-T panels install onto a heavy duty 15/16" (24mm) T-bar grid system.

PROFILES: There are various design profiles available: 6 plank and 3 plank configuration panels with 5/8" (16mm) and 5/16" (8mm) grooving options.

Solo-T is available in beech, cherry, maple, and ash. Custom veneer selections and paint can be accommodated. Standard veneer length is 120" (3050 mm); other lengths available upon request.

Solo-T panels have a flame spread of 25 or less (Class A) when tested in accordance with ASTM E-84 and CAN-U/LC S102. In its painted format, Solo-T panels are Class A as per ASTM E-84 with a flame spread of 25 or less. The lacquer finish applied is a fire retardant version.

Limitations

Wood products are highly susceptible to changes in humidity and temperature. Close attention must be paid to acclimatization during installation, as per accepted millwork industry practice.

Finishes

Solo-T

Natural Wood Veneered Lift & Shift Acoustical Ceiling Panels

Design Considerations

PAINTED FINISHES: Solo-T can be painted to match most RAL standard colors, with RAL 9010 White readily available within stated ordering lead times.

STAINED FINISHES: Solo-T is available pre-finished with a lacquer or stain, or left unfinished. Decoustics can provide custom stained panels to match other finishes if an acceptable sample finish is supplied to Decoustics.

Cautionary Note: In the wood finished carpentry industry, low grade veneers are often substituted and stained to simulate a higher cost veneer. Staining veneers are frequently birch, white oak or maple. Also cherry is often stained to "force" aging which would occur naturally over a longer period of time. Typically this practice is specified and not used as a substitute method to lower the price of a product. Custom staining a standard veneer generally adds 15% to 20% to the overall price of a standard Solo-Tpanel.

CURVED PANELS: Solo-T panels cannot be curved.

| FINISH | PANEL THICKNESS | FREQUENCY (Hz) | | | | | | NRC | SAA |
|---------------------------|-------------------|----------------|------|------|------|------|------|------|-----|
| | | 125 | 250 | 500 | 1000 | 2000 | 4000 | | |
| TYPE E400 MOUNTING | | | | | | | | | |
| Solo-T | 5/8" (16mm) Plank | 0.81 | 0.83 | 0.61 | 0.63 | 0.52 | 0.30 | 0.65 | |

* Panels mounted 25mm (1") from the floor

After Installation - Maintenance Requirements

Solo-T Acoustic Wood panels are manufactured using real wood veneers and engineered wood components and therefore should be cared for as all other Architectural wood products are. When cleaning, vacuum panel surfaces using a non-marring, natural bristle head. Avoid hard or very short bristle cleaning heads.

Minor surface scuffing or scratches can be removed by lightly rubbing the affected area with a dry, clean pad of #0000 fine steel wool. Do not over apply. Avoid using water or a damp cloth on large surfaces as this may affect the stability of the membrane surface. Aerosol furniture polishes can be used on small areas, however, do not spray directly on the surface of the acoustic membrane. Apply small amounts on a soft cloth and rub gently.

Wood is a hygroscopic material, and under normal use conditions all wood products contain some moisture. Wood readily exchanges this molecular moisture with water vapor in the surrounding atmosphere according to existing relative humidity. In high humidity, wood picks up moisture and swells and in low humidity, gives up moisture and shrinks. These uncontrolled extremes may affect the structural integrity of the panels and cause visual problems. To avoid this, relative humidity should always be maintained between 35% and 55% in the area where panels are installed.

For repair of badly damaged panel consult the factory.

Note: The information provided in this Data Sheet is accurate to the best of our knowledge at the time of printing. However, we reserve the right to make changes when necessary without further notification. Suggested applications may need to be modified to conform with local building codes and conditions. We cannot accept responsibility for products that are not used, or installed, to our specifications. Please refer to our website for most current data.

Note: Only handle panels wearing clean, lightweight, white gloves during installation. Follow manufacturer's printed instructions for installation as well as field cutting of panels.