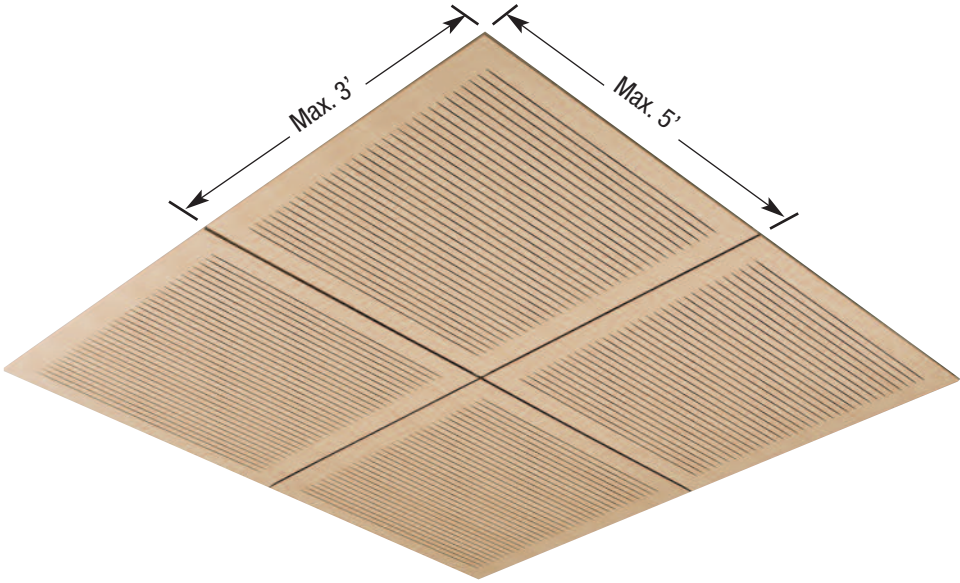


Finishes

Solo - M



Description

Solo-M panels are a modified version of the standard Solo product, consisting of a perforated (NAF) and ribbed, fire rated, medium density fiberboard (MDF) core, with a natural wood veneer laminated to the face, and an acoustically transparent black mat laminated to the back side. Solo-M can be used for wall or ceiling applications.

Panels are manufactured to the size(s) required using the specified veneer; cutting in the field should not be required. There are three design profiles available – with ribs on 8mm (5/16”), 16mm (5/8”), and 32mm (1 1/4”) centers, stopped grooved as (shown), also available fully grooved.

Solo-M is available pre-finished in clear lacquer or unfinished for post application by others. The panels can be manufactured with custom lacquer toning, and sheen to match other wood finishes. Veneer lay up is produced as slip matched, quarter cut as a standard. Other veneer cuts and lay up options are available. Custom paint finishes are available.

Design Considerations

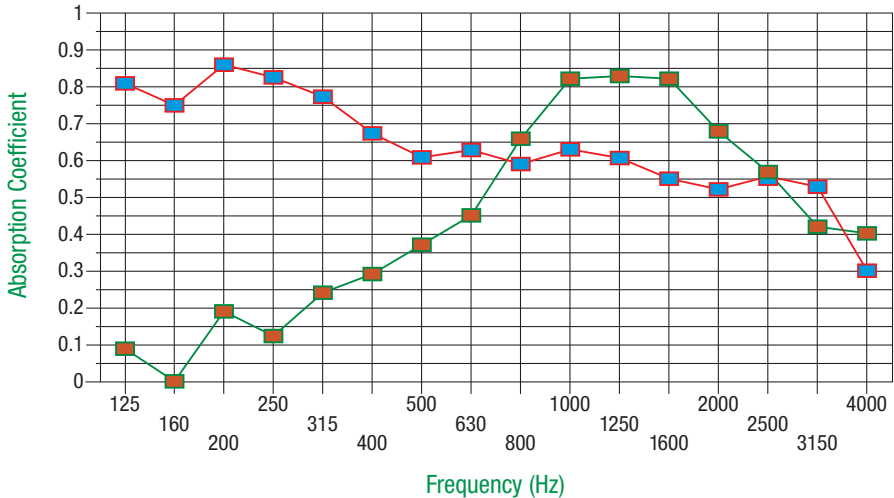
Solo-M panels are available up to a maximum of 915mm (3 ft.) in width and 1525mm (5 ft.) in length.

Solo-M panels can be mechanically mounted ('Z'-clip & track) to furring for walls or ceilings, and can be integrated into most of Decoustics suspended ceiling systems, including the Ceilencio downward access integrated ceiling system.

Solo-M panels can be pre-curved.

Solo-M panels weigh approximately 9.75kg/m² (2 lbs/ft²).

Decoustics Sound Absorption Data
Solo 8 - No Core. Type F25 & E400 Mounting



- SOLO 8 Type E400 Mounting
- SOLO 8 Type F25 Mounting

Finishes

Solo - M

Additional Product Data

ORDERING: As with most millwork products, Solo-M is a longer lead time item, and should generally be dealt with early in a project, since field dimensions, veneer, samples and drawing approvals are required.

Custom matched or sequenced veneers may take longer and should be reviewed with Decoustics in advance of ordering.

ENVIRONMENT: Solo-M 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-M panels must be allowed to stabilize on site for 72 hours prior to installation.

FIRE TEST DATA

Solo-M panels achieve a Class A (flame-spread of 25 or less) when tested in accordance with ASTM E 84 procedures.

FINISH	PANEL THICKNESS	FREQUENCY (Hz)						NRC	SAA
		125	250	500	1000	2000	4000		
Solo-M-8	TYPE F25 MOUNTING								
Solo-M-8	16mm (5/8") panel No Core*	0.09	0.12	0.37	0.82	0.68	0.40	0.50	0.50
Solo-M-8	TYPE A MOUNTING								
Solo-M-8	16mm (5/8") panel Core 25mm (1")	0.10	0.45	1.03	0.96	0.51	0.51	0.75	0.73
Solo-M-8	16mm (5/8") panel Core 50mm (2")	0.36	0.97	1.15	0.92	0.71	0.69	0.95	0.95
Solo-M-8	TYPE E400 MOUNTING								
Solo-M-8	16mm (5/8") panel No Core	0.81	0.83	0.61	0.63	0.52	0.30	0.65	0.65
Solo-M-8	16mm (5/8") panel Core 25mm (1")	0.71	0.88	0.86	0.89	0.70	0.71	0.85	0.81
Solo-M-8	16mm (5/8") panel Core 50mm (2")	0.79	0.97	1.12	1.01	0.77	0.68	0.95	0.94

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

After Installation - Maintenance Requirements

Solo Acoustic Wood planks 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 fractured or badly damaged panels, consult the factory for advice.

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.