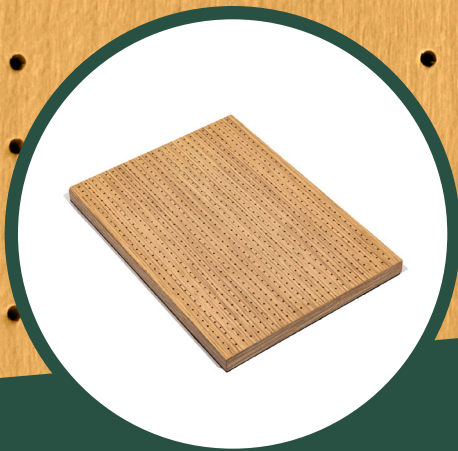




MINIPERFORATED WOOD PANELS MNPP



DATA SHEET



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PRODUCT DESCRIPTION

MCM Acoustical Miniperforated Wood Panels have a natural wood veneer laminated to 5/8" Fire-Rated MDF. The face is miniperforated with 1.5mm (1/16") perforations and the rear perforated for acoustical performance. This eliminates the risk of delamination or hole clogging common to panels that are laminated after perforation. The standard perforation spacing is 8mm (5/16").



FEATURES

DIMENSIONS: The Panels can be manufactured to the desired size, with shop drawings produced by MCM Acoustical, thereby requiring no field cutting for faster installation. MCM Acoustical's leading production capabilities make the largest panels in the industry: 5' x 10' (1.5M x 3M).

VENEERS: The Panels can be customized in a variety of wood veneers. MCM Acoustical lays-up its own veneer so slip-matched, book-matched, random or custom matched lay-up choices are available.

FINISHES: The Panels can be finished in standard clear lacquer or can be custom stained to match a control sample. The Panels can also be painted.



SUSTAINABILITY

FSC Certified 70.8% pre-consumer recycled content Declare label CDPH VOC Certified



FIRE PERFORMANCE

The Miniperforated Wood Panels are Class A Fire-Rated interior wood finish products as per ASTM E84, and are tested in an accredited NVLAP test facility as a finished composite product using Class A individual components.



INDOOR AIR QUALITY

The Miniperforated Wood Panels are certified Clean Air Gold and meet the CDPH Standard VOC emissions.



ACCLIMATIZATION

Like any other architectural natural wood product, the Miniperforated Wood Panels & Planks are to be acclimatized inside a controlled interior environment for at least 72 hours before installation. During storage, prior to installation, during installation, and after installation the relative humidity level of 35%-55% and a temperature range of 20°-27°C (68°-81°F) must be maintained.



ACOUSTIC PERFORMANCE

In addition to the miniperforated face of the panel, the MDF core of the Panels is perforated to improve sound absorption. A black fiberglass membrane is laminated to the rear of the product to create an acoustic performance of up to 0.90 NRC.



SOUND ABSORPTION

Number in the mounting designation is the airspace behind/above the panel in millimeters.

Mounting	Backing	Frequency (HZ)						NRC	SAA
		125	250	500	1000	2000	4000		
Type E400 (15 3/4")	N/A	0.93	0.92	0.63	0.68	0.52	0.34	0.70	0.70
	1" Thick FG*	0.78	0.84	0.93	1.03	0.56	0.29	0.85	0.84
	2" Thick FG*	0.84	0.87	1.12	1.00	0.55	0.28	0.90	0.87
Type F50 (2")	2" Thick FG*	0.78	1.08	1.12	0.93	0.55	0.28	0.90	0.91
Type F25 (1")	N/A	0.03	0.13	0.42	0.95	0.37	0.22	0.45	0.46
	1" Thick FG*	0.31	0.70	1.20	0.91	0.55	0.27	0.85	0.85
Type F5 (3/16")	N/A	0.04	0.12	0.19	0.71	0.48	0.14	0.40	0.38

(*) 6-7 PCF 1" or 2" Fiberglass