



MICROPERFORATED WOOD PANELS & PLANKS MCPL & MCPP



DATA SHEET



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PRODUCT DESCRIPTION

MCM Acoustical Microperforated Wood Panels & Planks have a natural wood veneer laminated to 5/8" Fire-Rated MDF. Only after lamination is the face microperforated with 0.5mm (1/50") perforations and the rear perforated with 9mm (3/8") for acoustical performance. This eliminates the risk of delamination or hole clogging common to products that are laminated after perforation.



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). The Planks are produced in a standard width of 192mm (7 9/16") and a standard length of 2438mm or 3048mm (8' or 10'). Custom plank widths and lengths are also available.

VENEERS: The Panels & Planks can be customized in a variety of wood veneers. MCM Acoustical lays up its own veneer. For panels, we offer slip-matched, book-matched, or custom lay-up options, and for planks, random-matched lay-up choices are available.

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



SUSTAINABILITY

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



FIRE PERFORMANCE

The Microperforated Wood Panels & Planks are Class A Fire-Rated interior wood finish products as per ASTM E84 and CAN/ULC S102, and are tested in an accredited NVLAP test facility as a finished composite product using Class A individual components.



INDOOR AIR QUALITY

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



ACCLIMATIZATION

Like any other architectural natural wood product, the Microperforated 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 microperforated face, the MDF core of the Panels & Planks is perforated to improve sound absorption. A black fiberglass membrane is laminated to the rear of the product to create a substantial acoustic performance of up to 1.05 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	0.95	0.99	0.68	0.81	0.91	0.65	0.85	0.86
	1" Thick FG*	0.87	0.94	0.92	1.14	0.97	0.65	1.0	1.0
	2" Thick FG*	0.8	0.92	1.1	1.12	0.99	0.66	1.05	1.02
Type F50 (2")	2" Thick FG*	0.75	1.01	1.14	1.13	0.9	0.61	1.05	1.05
Type F25 (1")	N/A	0.04	0.18	0.47	1.03	0.78	0.51	0.6	0.61
	1" Thick FG*	0.24	0.69	1.17	1.12	0.91	0.61	0.95	0.97
Type F5 (3/16")	N/A	0.05	0.09	0.24	0.66	0.96	0.42	0.5	0.48

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



Woodwork matching this sample may vary in colour, texture, and pattern due to the natural variations in wood grain, tone, and stain acceptance. Samples may not fully represent all possible variations, and lighting conditions can affect the finished product's appearance.