

## Medite Premier

Medite Premier MDF is produced using superior wood refining technology and specially designed resins. Excellent face properties make it suitable for the thinnest laminates and surface coatings. End-users enjoy consistency of quality and thickness, as well as reduced tool wear. Developed at Medite's world class MDF facility in Clonmel, Medite Premier sets the standard and broadens the range of the Medite family of high performance MDF products.

**Applications** The range of product applications for Medite Premier MDF includes, for example, contemporary and KD furniture, reproduction furniture, childrens' toys, snooker tables, shopfitting, hi-fi speaker cabinets and doors. Medite Premier comes in a wide selection of thicknesses. The remarkably consistent Medite Premier ensures that the most sophisticated finishing and processing techniques can be completed, offering great design freedom.

**Performance** Medite Premier is suitable for use in internal dry conditions as defined in EN 622 parts 1 and 5 and conforms to EN13986. Boards of this type are suitable for use in Hazard Class 1 of EN 335-3.

**Appearance** Medite Premier retains the light tan colour of the wood fibre from which it is manufactured.

**Machining/finishing** Cut or profiled edges of Medite Premier should first be sanded with 150- 240 grit, prior to painting. The recommended coating system for the edges is to seal, prime and topcoat with de-nibbing in between coats to produce a smooth finish. The desired finish on the face can be achieved by application of a base-coat and top-coat. If water-based coatings are used, it is important that forced drying or



quick-drying systems be applied in order to maintain the quality of surface.

**Conditioning** The moisture content of Medite Premier is in the range of 7% +/- 2% at the time of manufacture. Changes in dimensions of wood and wood-based sheet materials occur due to changes in relative humidity. For this reason, Medite Premier panels should be conditioned to the final environment for two to three days before cutting and fixing.

**Fire rating** Medite Premier is expected to achieve a fire class rating of Euro Class D within the European classifications.

**Authority** Medite Premier is manufactured under an NSAI registered I.S. EN ISO 9001:2008 quality management system.



**Service** For further information and/or technical advice regarding processing and painting/finishing Medite Premier, please contact Medite Technical Support Personnel through any of our European offices: +44 (0) 1322 424900 +31 (0) 475 399740 +353 (0) 51 832700 or visit [www.medite-europe.com](http://www.medite-europe.com)

All Medite MDF products supplied for use in the construction and civil engineering industries are CE marked according to the requirements of the harmonized European standard for wood based panels EN 13986. This provides the necessary assurance to customers and users that Medite conforms with the European MDF standard, EN 622-5 and meets all the essential requirements for the Construction Products Directive that are relevant to the product.

In accordance with the provisions of Third Party Certification required within the Final Regulations Order of the Airborne Toxic Control Measure (ATCM) by the California Air Resources Board (CARB) all Medite MDF products are CARB Phase 2 Compliant. The approved Third Party Certifier (TPC) Entwicklungs-und Prüflabor Holztechnologie GmbH (EPH – TPC No W-08-010) is contracted by Medite to perform the quarterly assessment of the factory production control and to have the stipulated formaldehyde tests carried out by the accredited EPH test laboratory.

**Supply** Medite Premier is produced in the following sizes: 1220 x 2440mm, 1220 x 2745mm, 1220 x 3050mm, 2440 x 1830mm, 1525 x 2440mm, 1525 x 2745mm and 1525 x 3050mm. Standard thicknesses produced are 3mm, 4mm, 6mm, 9mm, 12mm, 15mm, 16mm, 18mm, 19mm, 22mm, 25mm, 30mm, 32mm, 36mm, 38mm, 40mm. Other thicknesses by special request.



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### Medite PREMIER MDF Technical Specification Sheet

Thickness (mm)

PROPERTY	RANGE	TEST METHOD	UNITS	Thickness (mm)								
				3.0 to 4.0	>4.0 to 6.0	>6.0 to 9.0	>9.0 to 12.0	>12.0 to 19.0	>19.0 to 25.0	>25.0 to 30.0	>30.0 to 45.0	
Internal Bond	Min	EN 319	N/mm <sup>2</sup>	0.90	0.80	0.80	0.55	0.55	0.55	0.55	0.50	
Modulus of Rupture	Min	EN 310	N/mm <sup>2</sup>	38.0	40.0	40.0	27.0	24.0	25.0	28.0	26.0	
Modulus of Elasticity	Min	EN 310	N/mm <sup>2</sup>	3,800	4,000	4,000	2,700	2,400	2,700	2,600	2,600	
Screw Holding Face	Min	EN 320	N	~	~	~	~	1000	1000	1000	1000	
Screw Holding Edge	Min	EN 320	N	~	~	~	~	600	600	600	600	
Moisture Content	Min-Max	EN 322	%	5.0 - 9.0	5.0 - 9.0	5.0 - 9.0	5.0 - 9.0	5.0 - 9.0	5.0 - 9.0	5.0 - 9.0	5.0 - 9.0	
Thickness Tolerance	Min-Max	EN 324-1	mm	+/-0.15	+/-0.15	+/-0.15	+/-0.15	+/-0.15	+/-0.15	+/-0.15	+/-0.15	
Thickness Swell (24hrs)	Max	EN 317	%	35.0	23.0	17.0	11.0	9.0	6.0	5.0	5.0	

### DIMENSIONAL MOVEMENT

Length/Width		EN 318	%	0.40	0.40	0.40	0.40	0.30	0.25	0.25	0.25
Thickness		EN 318	%	6.0	6.0	6.0	5.0	4.0	4.0	4.0	4.0

The results as listed above are based on the minimum specification requirements for all Premier Medite MDF manufactured by Medite Europe Ltd. All board parameters are in compliance with EN 622 parts 1 & 5. As part of the Medite Europe ongoing product development programme, the right to modify these product specifications without notice is reserved. Medite Premier conforms to E1 formaldehyde levels as well as also complying with the lower levels required by CARB phase 2