

Medite Ultralite

Medite Ultralite MDF maintains the excellent surface smoothness and stability of normal MDF. Medite Ultralite can be painted to achieve high quality surface finishes and provide a uniform substrate for overlaying. Major benefits include easier handling, reduced tool wear and can be selectively used in applications where the lighter weight features are appreciated. Developed at Medite's world class MDF facility in Clonmel, Medite Ultralite broadens the range of the Medite family of high performance MDF products.

Applications: The range of product applications for Medite Ultralite MDF includes, for example, exhibition stands, television and film studio sets, shopfitting components, caravan and mobile home components, wrapped moulding and picture frames, aircraft and shipbuilding industries, theatre stage sets, museum gallery walls, lightweight event furniture and ceilings.

Performance: Medite Ultralite is suitable for use in internal dry conditions as defined in EN622 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 Ultralite retains the light tan colour of the wood fibre from which it is manufactured.

Conditioning: The moisture content of Medite Ultralite is in the range of 7% +/- 2% at the time of



Medite Ultralite can be used for theatre and film sets, museum gallery walls and caravan components.

manufacture. Changes in dimensions of wood and wood-based sheet materials occur due to changes in relative humidity. For this reason, Medite Ultralite panels should be conditioned to the final environment for two to three days before cutting and fixing.

Machining/finishing: Cut or profiled edges of Medite Ultralite 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 surface quality.



Medite Ultralite can be used for lightweight event furniture.

Fire Rating: Medite Ultralite is expected to achieve a fire class rating of Euro Class D within the European classifications.

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

Supply: Medite Ultralite is produced in the following sizes: 1220 x 2440mm and 1220 x 3050mm. Standard thicknesses produced are: 12mm, 15mm, 18mm & 25mm*.
(*This product will be available on request.)



Medite Ultralite can be used for exhibition stands and wrapped picture frames.



Service: For further information and/or technical advice regarding processing and painting/finishing of Medite Ultralite, 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

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.



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Medite Ultralite MDF Technical Specification Sheet

Thickness (mm)

PROPERTY	RANGE	TEST METHOD	UNITS	12.0	15.0	18.0
Internal Bond	Min	EN 319	N/mm ²	0.35	0.35	0.35
Modulus of Rupture	Min	EN 310	N/mm ²	15.0	15.0	15.0
Modulus of Elasticity	Min	EN 310	N/mm ²	1,500	1,500	1,500
Screw Holding Face	Min	EN 320	N	~	~	400
Screw Holding Core	Min	EN 320	N	~	~	250
Moisture Content	Min-Max	EN 322	%	5.0-9.0	5.0-9.0	5.0-9.0
Thickness Tolerance		EN 324-1	mm	+/-0.15	+/-0.15	+/-0.15
Thickness Swell (24hrs)	Max	EN 317	%	15.0	12.0	10.0

DIMENSIONAL STABILITY

Length		EN 318	%	0.60	0.60	0.60
Thickness		EN 318	%	6.0	6.0	6.0

The results as listed on the left are based on the minimum specification requirements for all Medite Ultralite 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 Ultralite conforms to E1 formaldehyde levels as well as also complying with the lower levels required by CARB phase 2