



MEDITE MR LITE is a lightweight moisture resistant MDF panel designed for use in humid conditions in accordance with L-MDF.H (Option 1) as defined in EN 622-5 so is ideal for applications such as kitchen and bathroom furniture or skirting boards. Developed at MEDITE's world class MDF facility in Clonmel, MEDITE MR LITE broadens the range of the MEDITE family of high performance MDF products.

APPLICATIONS

MEDITE MR LITE is used as a substitute for softwood and as a panel product in non-stressed applications. This panel can be used in applications such as kitchen and bathroom furniture, skirting boards, general interior joinery and can be used in applications where light routing is adequate. For more demanding applications it is recommended that MEDITE MR is used. MEDITE MR LITE is suitable for interior humid conditions and is manufactured in accordance with EN 622-5.

MEDITE MR LITE is not suitable for external applications.

MEDITE MR LITE must be sealed, primed and painted on all surfaces prior to installation, especially when placed next to damp plaster. Boards of this type are suitable for use in Hazard Class 1 and 2 environments of EN 335-3 provided an appropriate coating system is used.

PERFORMANCE

The test methods used for moisture resistant MEDITE MR LITE includes a specialized cyclic test (EN 321) in which test pieces, after conditioning, are immersed in water at 20°C for 72 hours, frozen in air at -12°C for 24 hours, and heated in an air-circulated oven at 70°C for 72 hours. This cycle is carried out three times, followed by post conditioning and physical testing according to EN 622 test methods.

APPEARANCE

MEDITE MR LITE is distinguishable from other MEDITE MDF products by its green identification colour.

CONDITIONING

The moisture content of MEDITE MR LITE is in the range of 5-9% 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 MR LITE 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 MR LITE 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 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 surface quality.

MEDITE[®]

MR LITE

FIRE RATING

MEDITE MR LITE is expected to achieve a fire class rating of Euroclass D within the European classifications.

AUTHORITY

MEDITE MR LITE is manufactured under an NSAI registered I.S. EN ISO 9001 quality management system.

SUPPLY

MEDITE MR LITE is produced in the following standard panel sizes: 1220 x 2440mm and 1220 x 3050mm in 12 and 18mm thicknesses. Other sizes and thicknesses available on request subject to minimum order quantities.

SERVICE

For further information and/or technical advice regarding processing and painting/finishing MEDITE MR LITE please contact MEDITE Technical Support Personnel:

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All MEDITE MDF products supplied for use in the construction and civil engineering industries are CE marked according to the requirements of the harmonised 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) Entwicklungsund 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.

MEDITE MR LITE MDF 622 TYPE L-MDF.H (OPTION 1) TECHNICAL SPECIFICATION SHEET

PROPERTY	RANGE	TEST METHOD	UNITS	12.0mm	>12.0 to 19.0mm
Internal Bond	Min	EN 319	N/mm ²	0.45	0.45
Modulus of Rupture	Min	EN 310	N/mm ²	20.0	18.0
Modulus of Elasticity	Min	EN 310	N/mm ²	1,700	1,600
Screw Holding Face	Min	EN 320	N	---	800
Screw Holding Edge	Min	EN 320	N	---	500
Moisture Content	Min-Max	EN 322	%	5-9	5-9
Thickness Tolerance		EN 324-1	mm	+/-0.15	+/-0.15
Thickness Swelling (24hrs)	Max	EN 317	%	16.0	13.0
DIMENSIONAL MOVEMENT					
Length/Width		EN 318	%	0.30	0.30
Thickness		EN 318	%	4.0	3.0
CHANGES AFTER WET CYCLE TEST – EN 321					
Thickness Swelling	Max	EN 317	%	16.0	15.0
Internal Bond	Min	EN 319	N/mm ²	0.25	0.20
The results as listed above are based on the minimum specification requirements for all MEDITE MR LITE MDF manufactured by MEDITE EUROPE DAC. All board parameters are in compliance with EN 622 parts 1 & 5 for type L-MDF.H (Option 1). As part of the MEDITE EUROPE DAC ongoing product development programme, the right to modify these product specifications without notice is reserved. MEDITE MR LITE conforms to E1 formaldehyde levels as well as also complying with the lower levels required by CARB phase 2.					

This leaflet is provided for information purposes only and no liability or responsibility of any kind is accepted by MEDITE EUROPE DAC or their representatives. MEDITE EUROPE DAC have used reasonable efforts to verify the accuracy of any advice, recommendation or information. MEDITE EUROPE DAC reserves the right to alteration of its products, production information and range without notice. As we continually update our technical datasheets please check on www.mdfosb.com to ensure you have the latest version.

Disclaimer: The information contained in this document is provided as guidance by MEDITE SMARTPLY. It is the responsibility of the customer and/or end-user of MEDITE MR LITE to ensure that the final use of the panel is checked by the proper authorities on conformity with local circumstances, building codes, regulations and standards and checked by a licensed engineer.



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