



MEDITE PLUS

Medite Plus MDF is a specially engineered panel with an extra-smooth surface finish. Enhanced specifically after years of careful research Medite Plus gives superior results with both traditional wood-based finishes and sophisticated powder coating processes. Its consistent high quality and fine machining properties offer wide design freedom. Developed for the 21st Century at Medite's Clonmel MDF facility, Medite Plus broadens the range of the Medite family of high performance MDF products.

APPLICATIONS Designed to maximise the sophisticated finishing processes of the powder coating industry and providing similar screwholding capabilities, along with off-the machine finishes comparable with some of the world's finest hardwoods.

Medite Plus additionally has properties that can be further exploited by processors where superior strength characteristics, intricate shaping, edge profiling, face routing to the finest detail and membrane pressing may be required.

PERFORMANCE Medite Plus 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 Plus retains the light tan colour of the wood fibre from which it is manufactured.

CONDITIONING The moisture content of Medite Plus 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 Plus panels should be conditioned to the final environment for two to three days before fixing.

MACHINING/FINISHING Cut or profiled edges of Medite Plus 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.

FIRE RATING Medite Plus is expected to achieve a fire class rating of Euro Class D within the new European classifications.

AUTHORITY Medite Plus is manufactured under an NSAI registered I.S. EN ISO 9001:2000 quality management system.

SUPPLY Medite Plus is produced in the following sizes: 1220 x 2440mm, 1220 x 2745mm, 1220 x 3050mm, 2440 x 1830mm. Standard thicknesses produced are 15.0, 16.0, 18.0, 19.0, 22.0 & 25.0mm. Other thicknesses and sizes by special request.



SERVICE

For further information and/or technical advice regarding processing and painting/finishing Medite Plus please contact Medite Technical Support Personnel through any of our European offices.



MEDITE PLUS MDF TECHNICAL SPECIFICATION SHEET

PROPERTY	RANGE	TEST METHOD	UNITS	THICKNESS (mm)		
				15-16	18-19	22-25
Internal Bond	Min	EN 319	N/mm ²	0.75	0.75	0.75
Modulus of Rupture	Min	EN 310	N/mm ²	35.0	35.0	32.0
Modulus of Elasticity	Min	EN 310	N/mm ²	3500	3500	3200
Screw Holding Face	Min	EN 320	N	1100	1100	1100
Screw Holding Edge	Min	EN 320	N	900	900	900
Moisture Content	Min-Max	EN 322	%	5-9	5-9	5-9
Free Formaldehyde Content	Max	EN 120	mg/100g	≤8.0	≤8.0	≤8.0
Thickness Tolerance	Min-Max	EN 324-1	mm	+/-0.15	+/-0.15	+/-0.15
Thickness Swelling (24hrs)	Max	EN 317	%	10.0	8.0	6.0
DIMENSIONAL MOVEMENT						
Length/Width	Max	EN 318	%	0.4	0.4	0.25
Thickness	Max	EN 318	%	6.0	6.0	4.0

The results as listed above are based on the minimum specification requirements for all Medite Plus 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. A free formaldehyde content of ≤8.0mg/100g fulfils the requirements for Type Class E1 in EN 622-1 2003.