

## FEATURES AND BENEFITS

Medite Tricoya MDF is characterised by its durability, dimensional stability and reliability properties. The new design and application possibilities offered by the marriage of acetylated wood fibre with the manufacturing technology of Medite MDF is set to excite and stimulate composite product manufacturers, designers, architects and the construction industry alike, opening up new possibilities and solutions.



### DURABLE

Longer lasting, perfect for outdoor use or wet (interior) environments



### 50 YEAR GUARANTEE

Peace of mind with a 50 year Medite Tricoya guarantee



### DIMENSIONALLY STABLE

Swelling and shrinking dramatically reduced



### DESIGN FREEDOM

All the design, fixing and machining flexibility of medium density fibreboards



### LOWER MAINTENANCE COSTS

Extended periods between exterior coatings maintenance



### PERFECT FOR COATING

Improved stability and durability enhances service life of the coating. Damaged coating or core will not affect durability



### FUNGAL RESISTANT

Effective barrier to fungal decay



### SUSTAINABLY SOURCED

FSC certified. Wood used from sustainable sources



### DESIRED SERVICE LIFE OF 60 YEARS

Independent testing by BRE shows an expected service life of 60 years for exterior use

## Supply

Medite Tricoya is produced in the following standard panel size

6mm 1220 x 2440  
9mm 1220 x 2440  
12mm 1220 x 2440  
15mm 1220 x 2440  
18mm 1220 x 2440

Other sizes may be produced upon request.

**Conditioning:** It is important to note that there is little or no water chemically bound with wood in Medite Tricoya. Panels will have a moisture content of 4% to 6% which will vary slightly with ambient humidity.

**Machining/Finishing:** Medite Tricoya may be cut, machined and used in exactly the same way as other wood fibreboards such as Medite Premier. There is no change in machinability. Medite Tricoya is delivered with a 150 grit sanded finish. It may be sanded with finer papers to achieve smoother surfaces. Water based paint systems may be used to decorate Medite Tricoya. Medite Tricoya may be successfully coated with melamine papers; laminates and foils. Exterior adhesives such as epoxy, polyurathane, phenol-resorcinol resin and EPI may be used conforming to EN301 Type I.

All mechanical fasteners that may be wetted, including screws, hinges, fixtures and fittings, should be manufactured from Stainless Steel EN 3506 type A2 or A4 or ANSI type 304 or 316. Internal handles and other furniture that are normally used in dry conditions may be made from any usually acceptable material.

**Fire rating:** Medite Tricoya is expected to achieve a fire class of Euro Class D within the Euro classification system.

## Technical Specifications

PROPERTY	RANGE	TEST METHOD	UNITS	THICKNESS				
				6	9	12	15	18
Density	+/-30		kg/m <sup>3</sup>	720	720	720	700	700
Internal Bond	Min	EN 319	N/mm <sup>2</sup>	0.80	0.80	0.80	0.80	0.80
Modulus of Rupture	Min	EN 310	N/mm <sup>2</sup>	30.0	30.0	25.0	20.0	20.0
Modulus of Elasticity	Min	EN 310	N/mm <sup>2</sup>	3	3	2,5	2,5	2,5
Screw Holding Face	Min	EN 320	N	-	-	-	900	900
Screw Holding Edge	Min	EN 320	N	-	-	-	700	700
Free Formaldehyde	Max	EN 120	mg/100g	< 1.0	< 1.0	< 1.0	< 1.0	< 1.0
Thickness Tolerance		EN 324-1	mm	+/- 0.15	+/- 0.15	+/- 0.15	+/- 0.15	+/- 0.15
Thickness Swell (24hrs)	Max	EN 317	%	2.5	2.0	2.0	1.5	1.5
Thermal Resistance		R Value	m <sup>2</sup> K/W	0.056	0.085	0.114	0.15	0.18
<b>DIMENSIONAL MOVEMENT</b>								
Length / Width		EN 318	%	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1
Thickness		EN 318	%	+/- 1.0	+/- 1.0	+/- 1.0	+/- 1.0	+/- 1.0
<b>AFTER BOIL TEST</b>								
Internal Bond	Min	EN 319	N/mm <sup>2</sup>	0.65	0.65	0.65	0.65	0.65

**QMS No. Tech 05.2012:** The results as listed on left are based on the minimum specification requirements for Medite Tricoya manufactured by Medite Europe Ltd. All 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. No formaldehyde is added to the acetylated softwood fibres during manufacture of Medite Tricoya. Free formaldehyde is less than 1.0mg/100g using EN 120 test method, complying with the lower levels required by CARB phase 2.



The mark of responsible forestry

**This industry is changing,  
to find out how, contact us:  
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