

FEATURES AND BENEFITS

MEDITE TRICOYA EXTREME (MTX) exhibits outstanding durability and dimensional stability which allows it to be used in applications once limited to products such as concrete, plastics or metals. The combination of acetylated wood fibre with the manufacturing technology of MEDITE means it may now be used in situations and applications where other wood-based panels cannot. Combining the excellent machinability of MEDITE products with a guarantee of up to 50 years above ground and 25 years in ground, this ground-breaking panel provides architects, specifiers and designers with an entirely new construction material, allowing great design flexibility and endless opportunities for creativity.



DURABLE

Longer lasting, perfect for external and internal wet environments



50 YEAR GUARANTEE

Peace of mind with a 25 year in-ground and 50 year above ground guarantee



ENHANCED STABILITY

Swelling and shrinking dramatically reduced



DESIGN FREEDOM

All the design, fixing and machining flexibility of MDF



LOWER MAINTENANCE COSTS

Extended periods between exterior coatings maintenance



PERFECT FOR COATING

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



SUSTAINABLY SOURCED

FSC® certified. Wood used from sustainable sources



RESISTANT TO FUNGAL DECAY

Effective barrier to fungal decay



DESIRED SERVICE LIFE OF 60 YEARS

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

SUPPLY

MTX is produced in the following standard panel size

- 4mm 1220 x 2440
- 6mm 1220 x 2440
- 9mm 1220 x 2440
- 12mm 1220 x 2440 / 3050
- 15mm 1220 x 2440 / 3050
- 18mm 1220 x 2440 / 3050

Other sizes may be produced upon request.

Conditioning: MTX moisture content should be below 10% before processing and coating applications.

Machining/Finishing: MTX may be cut, machined and used in the same way as other wood-based panels. There is no change in machinability. MTX is delivered with a 120 grit sanded finish. It may be sanded with finer papers to achieve smoother surfaces. Water based coating systems may be used to decorate MTX, see our website for a range of certified systems. MTX may be successfully coated with melamine papers; laminates and foils. Exterior adhesives such as epoxy, polyurethane, phenol-resorcinol resin and EPI should be used conforming to EN301 Type I.

All mechanical fasteners that may be wetted or are in direct contact with the panel, 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 elements that are normally used in dry conditions and are not in direct contact with the panel may be made from typical suitable material.

Fire rating: MTX is classified as Euroclass E within the Euroclassification system.

TECHNICAL SPECIFICATIONS

PROPERTY	RANGE	TEST METHOD	UNITS	THICKNESS					
				4	6	9	12	15	18
Density	+/-30		kg/m ³	720	720	720	720	700	700
Internal Bond	Min	EN 319	N/mm ²	0.80	0.80	0.80	0.80	0.80	0.80
Modulus of Rupture	Min	EN 310	N/mm ²	30.0	30.0	30.0	25.0	20.0	20.0
Modulus of Elasticity	Min	EN 310	N/mm ²	3,000	3,000	3,000	2,500	2,500	2,500
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	< 1.0
Thickness Tolerance		EN 324-1	mm	+/- 0.15	+/- 0.15	+/- 0.15	+/- 0.15	+/- 0.15	+/- 0.15
Thickness Swell (24hrs)	Max	EN 317	%	2.5	2.5	2.0	2.0	1.5	1.5
Thermal Resistance		R Value	m ² K/W	0.056	0.056	0.085	0.114	0.15	0.18
DIMENSIONAL MOVEMENT									
Length / Width		EN 318	%	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1	+/- 0.1
Thickness		EN 318	%	+/- 1.0	+/- 1.0	+/- 1.0	+/- 1.0	+/- 1.0	+/- 1.0
AFTER BOIL TEST									
Internal Bond	Min	EN 319	N/mm ²	0.65	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 MTX manufactured by MEDITE EUROPE DAC. 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 MTX. Free formaldehyde is less than 1.0mg/100g using EN 120 test method, complying with the lower levels required by CARB phase 2.

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MEDITE SMARTPLY has a range of technical literature to assist in the use of MTX. Please refer to the product page on the website for these documents. Contact us for further assistance. www.mdfosb.com/mtx



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 TRICOYA EXTREME (MTX) 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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