

### FEATURES AND BENEFITS

MEDITE TRICOYA EXTREME 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 external and internal wet environments



#### **50 YEAR GUARANTEE**

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



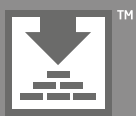
#### **ENHANCED STABILITY**

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

MEDITE TRICOYA EXTREME is produced in the following standard panel size

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:** It is important to note that there is little or no water chemically bound with wood in MEDITE TRICOYA EXTREME. Panels will have a moisture content of 3% to 5% which will vary slightly with ambient humidity.

**Machining/Finishing:** MEDITE TRICOYA EXTREME 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 EXTREME is delivered with a 120 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 EXTREME. MEDITE TRICOYA EXTREME may be successfully coated with melamine papers; laminates and foils. Exterior adhesives such as epoxy, polyurethane, 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 EXTREME is classified as Euroclass D within the Euroclassification 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>  | 3,000     | 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    |
| 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 EXTREME 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 MEDITE TRICOYA EXTREME. 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®**  
DEFINING THE STANDARD OF MDF