

Datasheet

FEATURES AND BENEFITS

Tricoya® is characterised by its durability and dimensional stability properties. The new design and application possibilities offered by the development of Accoya performance in an MDF panel format has been demonstrated over the past 5 years to provide product manufacturers, designers, contractors, and architects with a new material class. A truly durable, stable and versatile panel requiring no supplemental protection.



DURABLE

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



50 YEAR WARRANTY

Peace of mind with a 50 year Tricoya warranty above ground and 25 years in ground



DIMENSIONALLY STABLE

Swelling and shrinking dramatically reduced



DESIGN FREEDOM

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



LOWER MAINTENANCE COSTS

Extended periods between exterior coatings maintenance



IDEAL FOR COATING

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



FUNGAL RESISTANT

Effective barrier to fungal decay



SUSTAINABLY SOURCED

Sustainably sourced FSC® certified



NO ADDED FORMALDEHYDE

Tricoya® complies with CARB 93120 for Phase 2 and NAF requirements.

SUPPLY

Tricoya is produced in the following standard panel size*

- 6mm 0.236" x 4' x 8'
- 9mm 0.354" x 4' x 8'
- 12mm 0.472" x 4' x 8'
- 15mm 0.591" x 4' x 8' & 10'
- 18mm 0.709" x 4' x 8' & 10'

*Dimensions are close approximations based on conversion from metric.

Other sizes may be produced upon request and typically associated with a minimum order quantity. Potential panel size is governed by the 8' press width and longitudinal options of 5' to 18' depending on container loading options.

Custom thicknesses between 5mm, 0.197" and 18mm, 0.709" can be produced for quantities of at least one container.

EQUILIBRIUM MOISTURE CONTENT

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

MACHINING & FINISHING

Tricoya may be cut, machined and used in exactly the same way as other wood fibreboards with no change in machinability. Tricoya 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 Tricoya. Tricoya may be laminated with melamine papers, high pressure laminates, wood veneers, foils and other materials. Exterior adhesives such as epoxy, polyurethane, phenol-resorcinol resin and EPI may be used as long as they meet exterior use requirements via ASTM D5751 Wet Use, or other equivalent test method.

All mechanical fasteners that may come into contact with water, including screws, hinges, fixtures and fittings, should be manufactured from Stainless Steel 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. Components used for furniture and other interior applications that are normally installed in dry conditions may utilize galvanized, coated and other metals with low corrosion resistance.

Corrosion testing on naval brass and higher quality aluminum products show that these metals are highly corrosion resistant in direct contact with Tricoya and may also be considered.

There are many aluminum alloy types. By way of example the following aluminium grades performed well in internal testing: 3003, 6005, 6063, 6061, 5154, 5052, 3052 and 1100.

FIRE RATING

Tricoya is classified as Class C by the ASTM E84 method. Tests, according to ASTM E84 (surface burning characteristics), have shown that Tricoya® performs in line with other solid wood species and MDF, and well within Class C. Class A flame spread rating can be obtained with exterior grade intumescent coating. For copies of any reports and/or certificates, please contact your sales representative or visit our website.

INSECT RESISTANT

Tricoya has termite resistance equal to or better than ground contact rated CCA treated pine.

TECHNICAL SPECIFICATIONS

Property	Test Method	TRICOYA®	Requirements for CPA's Engineered Wood Siding
Density	ASTM D1037- ANSI A135.6	44 to 47 pcf	NA
Water absorption	ASTM D1037- ANSI A135.6	<7.0%	12% Max
Thickness swell	ASTM D1037- ANSI A135.6	<2.0%	8% Max
Weatherability	ANSI A135.6	<0.7%	17% Max
Linear expansion	ASTM D1037- ANSI A135.6	<0.13%	0.35% Max
Nail head pull through	ASTM D1037- ANSI A135.6	>350 lbf	150 lbf Min
Lateral Nail Resistance	ASTM D1037- ANSI A135.6	>325 lbf	150 lbf Min
MOR	ASTM D1037- ANSI A135.6	>3,250 psi	1,800 psi Min
MOE	ASTM D1037- ANSI A135.6	>425,000 psi	NA
Hardness	ASTM D1037- ANSI A135.6	>1,000 lbf	450 lbf Min
Moisture Content	ASTM D4442- ANSI A135.6	3 to 5%	4 - 9%
Thermal Conductivity	ASTM C177	0.103 W/m-K	NA

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