

FEATURES AND BENEFITS

Tricoya® is the world's leading ultra-high performance MDF panel brand. Benefitting from the same industry leading performance credentials as its sister brand Accoya, Tricoya offers unrivalled durability and dimensional stability. This makes Tricoya the ideal material for exterior applications, whatever the climate. Offering unrivalled design freedom for product manufacturers, contractors, and architects alike, Tricoya has been setting the industry benchmark since 2012.



HIGHLY DURABLE

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



IDEAL FOR COATINGS

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



50 YEAR WOOD WARRANTY

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



BESPOKE OPTIONS

All the design, machining and assembly flexibility of medium density fiberboard



NON TOXIC

Tricoya complies with CARB 93120 for Phase 2 and NAF requirements



VERY LOW MAINTENANCE

Extended periods between exterior coatings maintenance



INSECT RESISTANT

Effective barrier to fungal decay



HIGHLY STABLE

Swelling and shrinking dramatically reduced



SUSTAINABLY SOURCED

Sustainably sourced FSC® certified

Supply

Tricoya is produced in the following panel sizes*

Thickness Metric		3mm	4mm	6mm	9mm	10mm	12mm	15mm	18mm	19mm	25mm
Thickness Imperial		0.118"	0.157"	0.236"	0.354"	0.394"	0.472"	0.591"	0.709"	0.748"	0.984"
Width x Length Imperial	Width x Length Metric										
37.4"x8'	950x2440	S	S	S	✓	S	✓	✓	✓	✓	✓
37.4"x10'	950x3050	X	X	X	✓	S	✓	✓	✓	✓	✓
4'x8'	1220x2440	S	S	S	✓	S	✓	✓	✓	✓	✓
4'x97"	1220x2465	S	S	S	✓	S	✓	✓	✓	✓	✓
4'x10'	1220x3050	S	S	S	✓	S	✓	✓	✓	✓	✓
4'x121"	1220x3075	S	S	S	✓	S	✓	✓	✓	✓	✓
4'x12'	1220x3660	S	S	S	✓	S	✓	✓	✓	✓	✓
4'x16'	1220x4880	S	S	S	✓	S	✓	✓	✓	✓	✓
82.7"x112"	2100x2850	S	S	S	✓	S	✓	✓	✓	✓	✓
86.6"x10'	2200x3050	S	S	S	✓	S	✓	✓	✓	✓	✓

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' subject to mill confirmation and container loading options. Custom thicknesses between 5mm, 0.197" and 18mm, 0.709" can be produced subject to mill confirmation for quantities of at least one container.

✓ = available as Standard within min order guidelines

S = special order subject to mill confirmation on lead time and minimum order quantities

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.

Insect Resistance

Tricoya has termite resistance equal to or better than ground contact rated CCA treated pine. Assessed in Accordance with ASTM E9 ground contact trials.

PROPERTY	TEST METHOD	UNIT	RANGE	TYPICAL VALUE FOR BOARD THICKNESS					
				Inch	0.24	0.35	0.47	0.59	0.71
Density @ 70°F and 65% RH	ASTM D1037	lb/ft ³	± 1.9	44.9	44.9	44.9	44.9	42.5	
Dimensional stability									
Thickness swell 24 hrs @ 70°F in water	ASTM D1037	%	max	2.5	2.0	2.0	1.5	1.5	
Thickness swell 7 days @ 70°F and 65% RH	ASTM D1037	%	max						1.0
Length swell 7 days @ 70°F and 65% RH	ASTM D1037	%	max						0.1
Water absorption 24 hrs @ 70°F in water	ASTM D1037	%	max						8.0
Moisture content @ 70°F and 65% RH	ASTM D4442	%							3 ± 2
Mechanical properties									
Modulus of rupture	ASTM D1037	psi	min	4,350	4,350	3,630	3,630	2,900	
Modulus of elasticity	ASTM D1037	psi	min	435,000	435,000	363,000	363,000	363,000	
Internal bond strength	ASTM D1037	psi	min						120
Internal bond strength after boil test	ASTM D1037	psi	min						100

Equilibrium Moisture Content

Tricoya is supplied with a moisture content below 5%, when conditioned at ambient conditions (70°F and 65% RH). An indicative measurement of the moisture content should be made before installation. If a measurement shows a moisture content of 8% or more, this may indicate the presence of “free water” and the Tricoya should be allowed to dry before processing, gluing or coating. Tricoya siding should be installed with a ventilated cavity.

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-grade adhesives such as epoxy, polyurethane, phenol-resorcinol resin and EPI may be used as long as they meet exterior use requirements via ASTM 05751 Wet Use, or other equivalent test methods. Please seek support from ancillary product suppliers for support on application.

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 aluminum grades performed well in internal testing: 3003, 6005, 6063, 6061, 5154, 5052, 3052 and 1100.