

# SHUTTERPLY

Shutterply is a versatile wood composite product that has extensive applications in the construction industry. Shutterply is manufactured from thin layers of veneer that are glued together. The veneer layers are placed perpendicular to one another which creates a solid cross grain engineered product.

## APPLICATIONS

- Horizontal and vertical formwork for slabs, plinths and foundations.
- Ideal for staircase formwork.
- Short term walls for site offices.
- Inserts or patchwork and access scaffolding.
- Special formwork applications, e.g. bend on large radius.
- Interior and exterior wall cladding.
- Framing, subfloors and flooring.
- Boxes, crating and packaging.

## CERTIFICATIONS



### South African National Standards for Plywood and Composite Board

The SABS is a statutory body which acts as the national standardization institution in South Africa and develops, promotes and maintains South African National Standards (SANS). SANS 929 covers requirements for materials, construction, preservative treatment, dimensions and performance of plywood and composite board.

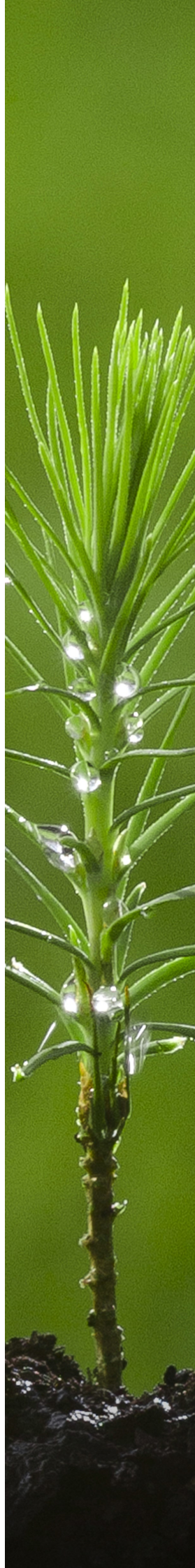


### Forest Stewardship Council (FSC)

The FSC certification requires that all our products are manufactured from plantations that are certified by the Forest Stewardship Council. It is a non-profit organization to which York voluntarily subscribes. The FSC promotes environmentally appropriate, socially beneficial and economically viable management of the world's forests.

## WHY SHUTTERPLY?

- Sustainable and durable building material.
- Light weight, versatile material which comes in various thicknesses.
- Panel size is easy to transport.
- Square material which is easy to cut and join.
- Split resistant with very little warp and twist.
- Performs better than other timber boards in damp conditions.
- Strong tensile and high panel shear resistance.
- Easy to stain to desired colour and finish.
- No countersink required to install screws.
- Good sound insulating properties.
- Impact resistant due to cross laminated structure.
- Reusable material with natural timber feel.



## PRODUCT DIMENSIONS

Stack Size: 55 panels per stack

Thickness	Stack Length	Stack Width	Stack Height	Stack Volume	Edge Colour
18 mm	2.44 m	1.22 m	0.99 m	2.95 m <sup>3</sup>	Green edges
21 mm	2.44 m	1.22 m	1.155 m	3.44 m <sup>3</sup>	Yellow edges

## PHYSICAL AND MECHANICAL PROPERTIES

Property	Reference Standard	Results	Measurement Unit
Density		525	kg/m <sup>3</sup>
Module of Elasticity (Parallel)	EN310; SANS 929	7108	MPa
Module of Elasticity (Perpendicular)	EN310; SANS 929	2067	MPa
Module of Rupture (Parallel)		15.13	MPa
Module of Rupture (Perpendicular)		12.72	MPa
Formaldehyde	BS EN 120:1992	0.8	mg/100g board
Glue	SANS 929	S3	
Thermal Conductivity	ASTM C518 and TO178-WI-105	0.108	W/m.k
Thermal Resistance	ASTM C518 and TO178-WI-105	0.164	m.K/W
Thermal Conductance	ASTM C518 and TO178-WI-105	6.103	W/m.K
Moisture Content	SANS 5984		

Product Tolerances	Board Thickness	Tolerance
Thickness	18 mm	±1 mm
	21 mm	±1.5 mm
Length	All	±3 mm
Width	All	±3 mm
Diagonal	All	plus 5 mm

## FORMALDEHYDE CONTENT

The European Standard BS EN 120 is used to determine the formaldehyde content in wood-based panels or its release from wood-based panels. Plywood produced by York Timbers falls within category E1 of BS EN 120 which is the category for products with the lowest formaldehyde release. York Timbers plywood can thus confidently be used in the manufacture of indoor furniture and other indoor applications, knowing that if any formaldehyde is emitted, it will be well below the legislated exposure limits in South Africa, Europe and the US.

## CO<sub>2</sub> STORAGE

Products produced from wood store biogenic carbon. Wood-based materials can thus be used to capture carbon from the atmosphere in most parts of any building. Using plywood as building material is a sustainable way of building and has a positive impact on the ongoing battle against climate change.



3.04 TONS  
OF CO<sub>2</sub>  
STORED

