



**IN STOCK NOW**



**Easy to handle**



**Strong and reusable**



**Ready for dispatch**

# TITAN Ply

Ischebeck's superior strength plywood, compatible with the TITAN Support system and offering enhanced physical properties, dimensional stability and consistent reuse.

- Sustainable & eco friendly
- Superior strength & consistency
- Equipment & labour savings
- Installation & safety efficiencies

# TITAN Ply - Material Features & Benefits

The TITAN Ply boards are manufactured with three layers, laminated perpendicular to each other. This results in a substantial improvement in dimensional stability and load-bearing capacity.

## Key Features

- 3-ply crosswise glued layering with our continuous middle layer provides the highest form of dimensional stability and load bearing capacity
- Kiln-dried; approx. 10% (+2%) moisture content
- Both sides of the TITAN Ply are ground smooth prior to coating, to offer a consistent surface finish to the plywood and concrete
- Sealtec water repellent coating, to all surfaces minimising ingress of water and structural failure



## Product Details

### 1. 3-ply Crosswise glued layers

Dimensional stability and high bearing capacity

### 2. Continuous middle layers

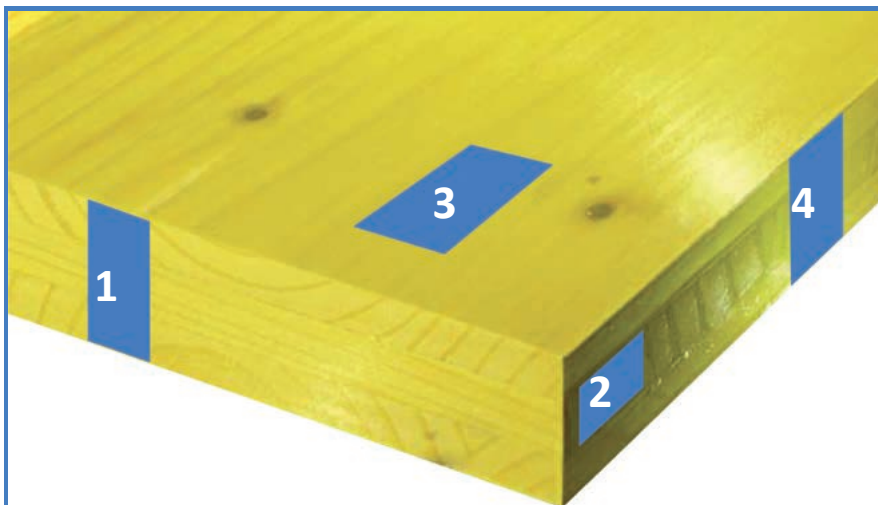
High stability at the vulnerable longitudinal edge

### 3. Ground surface with resistant melamin coating

For smooth concrete surfaces

### 4. SEALtec melamin edge sealing

Water repellent, non-stick finish speeds up cleaning



## Product Information

The exclusive use of selected raw materials, kiln dried to 10% + 2% moisture content and strict control during production, guarantees durable 3-ply shuttering boards of consistent quality.

The specific board construction results in a substantial improvement in dimensional stability and load-bearing capacity. All specifications are manufactured with three layers and laminated perpendicular to each other. In addition to the extraordinary load capacity of our TITAN Ply, there is an increased saving of secondary beams, when used in conjunction with Ischebeck TITAN support systems.

The outside edges of the sheets are sealed, preventing tension and warp of the board which results in accurate, straight and flat surfaces.

## TITAN Ply - Available sheet sizes

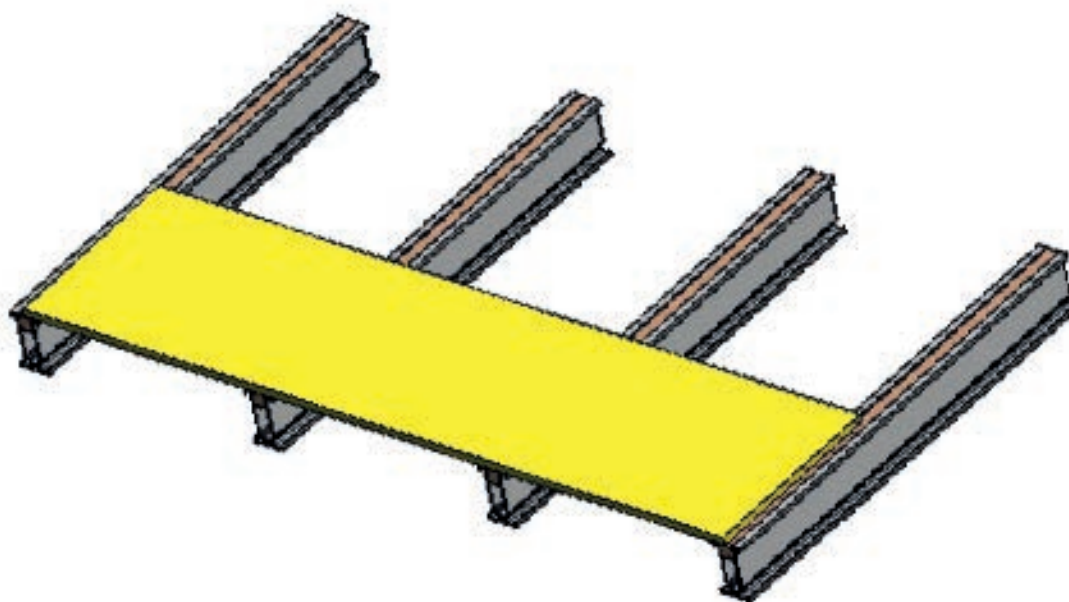
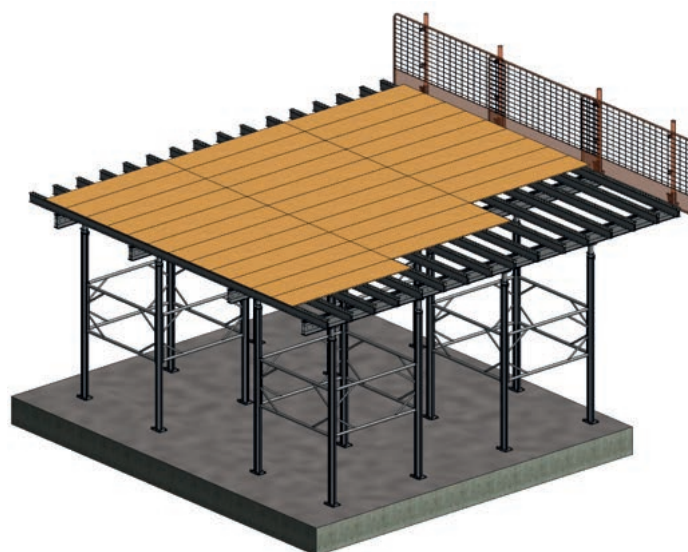
### Technical Specification

Plywood thickness	21mm
Panel width	500mm
Panel lengths	1.5, 2.0, 2.5, 3.0m
Packing	100 pcs
Weight	9.45kg/m <sup>2</sup>

*Only 2.5m x 0.5m boards are kept in stock. Other sizes are available on request.*

**TITAN Ply boards can be reused up to 15 times on both sides, giving 30no reuses in total, when stored and used correctly.**

Secondary (supporting) beams must always be parallel to the 500mm board edge - as shown:



# TITAN Ply - Advantages

## Installation & Safety

Lay your deck from below and reduce requirement for harnessed carpentry

### Advantages of TITAN Ply

- One man can lift TITAN Ply boards with 360 degree of vision
- Minimal associated risks from wind
- Owing to the increased strength of TITAN Ply, the secondary beams centres can be increased thus allowing boards to be installed and fixed from below – no harness and no working from height
- The smaller, lighter boards make TITAN Ply easy to handle



### Equipment & Labour Savings

The superior physical properties of TITAN Ply enables the spacings of the secondary beams to be increased, thus reducing equipment and hire costs – less equipment means quicker erection and dismantling.

**On a typical TITAN traditional decking project, we expect a reduction of secondary beam equipment of around 20% when TITAN Ply is being used.**



## Sustainable & Environmentally Aware

### PEFC Certified

#### Logistics

- Container loading according to phytosanitary standards ISPM 15/2005

#### Material

- Fine pored, solid and firm timber
- All material scanned by X-Ray and assorted automatically for defects
- PEFC Sustainably sourced certified timber



### Accessories

Available from Ischebeck Inform. Download our brochure [www.informuk.co.uk/downloads/](http://www.informuk.co.uk/downloads/)

#### Chemical Release Agent

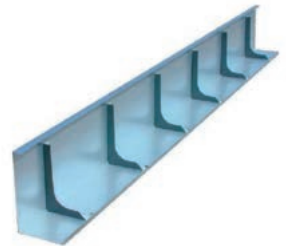
A formwork release agent using the latest soluble polymer technology to produce an environmentally friendly and highly efficient release material for concrete formwork on site.

Coverage 20-30m<sup>2</sup> per litre.



#### Speed Edge

Speed Edge is a galvanised, self-supporting metal edging for the shuttering of in-situ concrete floor slabs. Once cast, the metal profile becomes part of the structure, thus protecting the concrete from damage



#### Cover Spacers - single

A flat based single cover concrete spacer block giving maximum stability in horizontal applications.



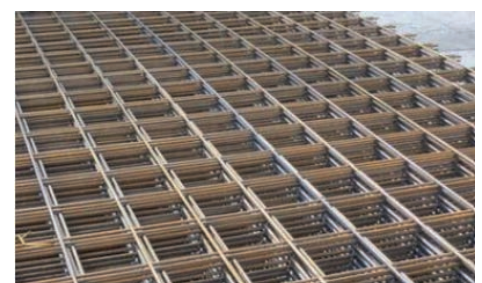
#### Cover Spacers - double/triple

Used for supporting heavy duty reinforcement, vertical and horizontal. Double cover spacers provide a flat base for use on membranes. Triple cover spacers give minimum contact with formwork and can be wired, to space vertical reinforcement.



### Reinforcement

Used for the reinforcement of concrete structures and floor slabs. Supplied in standard sheet sizes of 2.4m x 4.8m. Can also be pre bent to your requirements. Stainless steel meshes also available.



# TITAN Ply Technical Data

## Technical Data - Soffit

Bending V's Deflection- Case 58- from Formwork- A Guide To Good Practice. Based on 2500mm Unit (\*3000mm unit)

		Soffit Secondary Spacing									
		227	250	278	313	357	417	500	625	750*	(mm)
Pressure (kN/m <sup>2</sup> )	Bending	129.7	107	86.5	68.2	52.4	38.4	26.7	17.1	11.3	(kN/m)+
	Shear	77.1	65.6	55.5	46.5	38.7	31.4	25	19.1	11.8	
	Deflection	128.1	95.9	69.7	48.9	32.9	20.7	12	6.1	3.4	
	Max allowable Pressure	154.1	131.10	110.90	93.00	65.90	41.30	24.00	12.30	6.80	(kN/m <sup>2</sup> )
	Effective Slab Depth (mm) Incl. live load & ply weight.	6101	5181	4374	3658	2571	1589	895	427	269	(mm)

+Maximum load before failure- kN/m

At smaller spacings, pressure will be governed by shuttering components rather than ply.

The following tables compares TITAN Ply to two of the most common ply types currently available on sites in the UK. The table considers the formwork guide to good practice, load-case 58 for soffit cases. The first table proves that for slab thickness's (typically between 250mm and 600mm) there is a saving of approximately 20% of the total number of secondary beams required by using TITAN Ply.

		Soffit Slab Depth									
		800	700	600	500	400	350	300	250	200	(mm)
	TITAN Ply	500	500	500	500	625	625	625	750*	750*	Sec ctrs (mm)
	18mm Wisaform	406	406	406	488	488	488	488	610	610	
	17.5mm Pourform	406	488	488	488	488	488	610	610	610	

\*750mm centre can only be achieved using 3000mm long boards.

## Technical Data - Wall

Bending V's Deflection- Case 58- from Formwork- A Guide to Good Practice (based on a 2500mm unit)

		Wall Secondary Spacing								
		227	250	278	313	357	417	500	625	(mm)
	Bending	139.0	114.6	92.7	73.1	56.2	41.2	28.7	18.3	(kN/m)
	Shear	77.1	65.5	55.5	46.5	38.7	31.4	25.0	19.1	
	Deflection	147.2	110.2	80.1	56.1	37.8	23.7	13.8	7.1	
	Max allowable pressure	154.1	131.1	110.9	93.0	75.7	47.5	27.5	14.1	(kN/m <sup>2</sup> )

At smaller spacings, pressure will be governed by shuttering components rather than Ply



## The Ischebeck Group

Founded in Germany over 130 years ago, Ischebeck is one of the world's principal manufacturers of formwork and falsework systems. An excellent choice of products are offered, all supported by first class technical support.

In 2006 Ischebeck Inform became part of the Ischebeck TITAN Group, and together we were able to offer a greater choice of solutions to our customer base. Since that time, we have shared our extensive industry knowledge, expertise and collaborated on product development.

## Ischebeck Inform Innovations

Ischebeck Inform has a reputation of supplying truly innovate and specialist concreting products. Our team is dedicated to researching, carefully sourcing and testing products and technologies from around the world so we can offer you a range of solutions- from rapid slab construction with K-FORM uPVC Screed Rail to a whole new way of installing construction joints in base slabs and walls with our exclusive RECOSTAL® permanent stopend system. We bring you the most cutting-edge construction solutions that will help change the way you work.

## Technical support

Focusing on your particular project requirements, we advise on best product selection and offer on-site support; our team is committed to ensuring that you maximise the benefits of choosing Ischebeck Inform.



INFORM (UK) Ltd  
Industrial Park, Ely Road, Waterbeach, Cambridge CB25 9PG  
Tel +44 (0)1223 862230 Fax +44 (0)1223 440246  
Email [enquiries@informuk.co.uk](mailto:enquiries@informuk.co.uk) [www.informuk.co.uk](http://www.informuk.co.uk)