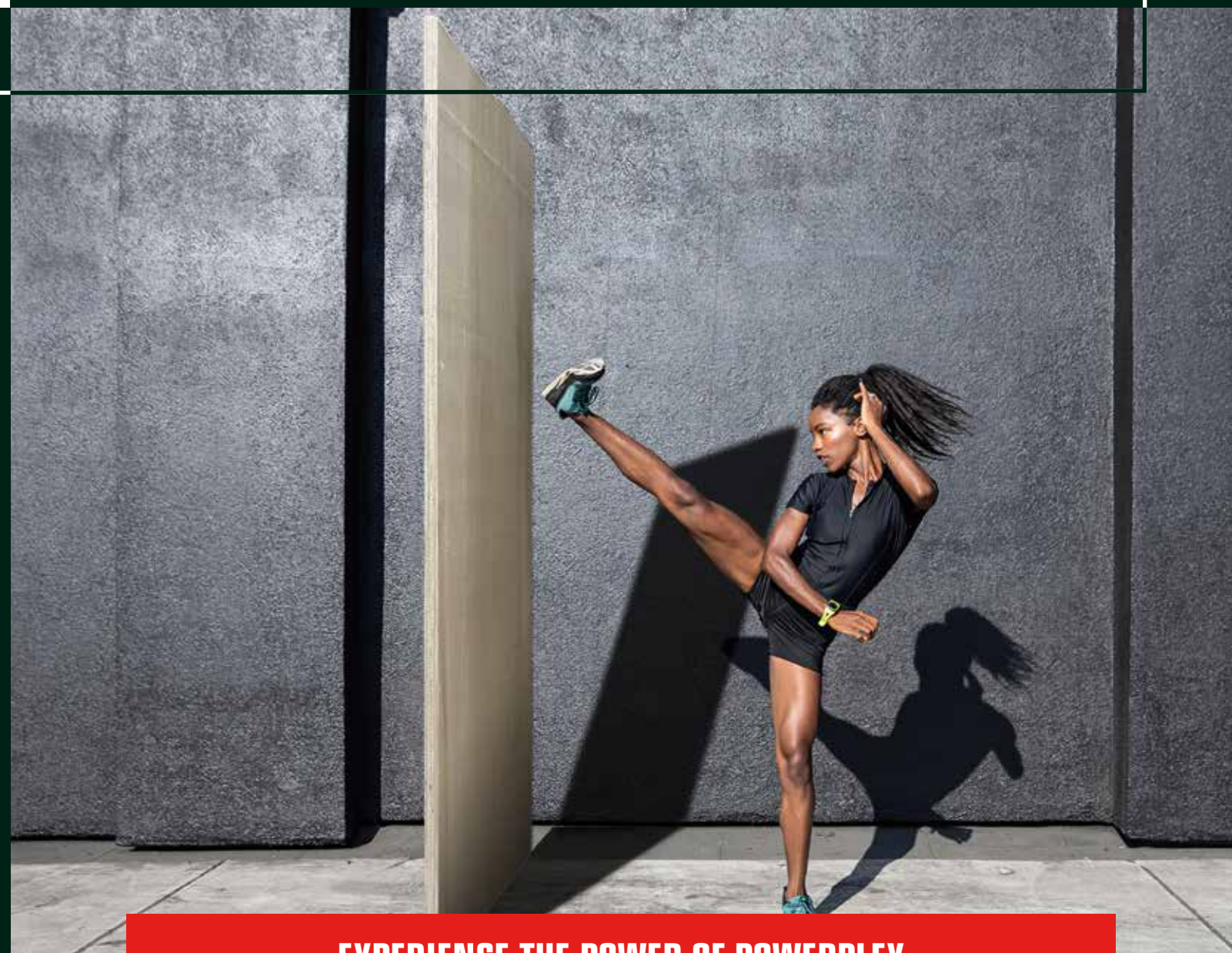




**Strong panel material**  
for every application

Contact information supplier

[www.powerplex.eu](http://www.powerplex.eu)



**EXPERIENCE THE POWER OF POWERPLEX**

For indoor and (sheltered) outdoor use

# Versatile **Powerplex**

A collection of panel materials with a constant quality, a long service life, multifunctional applicability and with a focus on sustainability. This sounds nearly too good to be true. And yet, this mission has been a success in creating the Powerplex collection.

For every application indoors or sheltered outdoors, you will find the plywood that you are searching for in the Powerplex collection. Powerplex can, for example, be used for building construction and extensions, carports, stand construction, furniture construction or easily movable objects such as the interior of a camper or boat. Powerplex is at home in all markets.

## Powerplex characteristics:

- Long service life and low maintenance costs
- Suitable for many applications both indoors and (sheltered) outdoors
- Built up from durable veneers
- Very flat top layer and uniform in colour
- Can be supplied in a large number of sizes and thicknesses
- Easy to process
- Time-saving due to various primed versions

## Powerplex guide

A handy tool has been developed for every builder, contractor or architect that indicates with a couple of clicks which Powerplex is the best option for your job. Select the required application and we match the most suitable panel. Your convenience has the highest priority: from purchase to processing.



# Experience the **power** of Powerplex

A high loading capacity of every plywood is a priority in the Powerplex collection. In addition, there is a wide choice regarding applications, processing and durability classes so that you are guaranteed that you will find the panel that meets your requirements.

## Origin and quality

Panel material that met our requirements was missing from the rich landscape of construction materials. A plywood type that you can measure based on the highest quality standards with little colour differences in the wood. The additional advantage is that it is always in stock, it is pleasant to process and available for an attractive price. This is how the idea was born for a plywood line where all of this became possible: Powerplex. This collection meets European standards and is the only plywood suitable for milling.

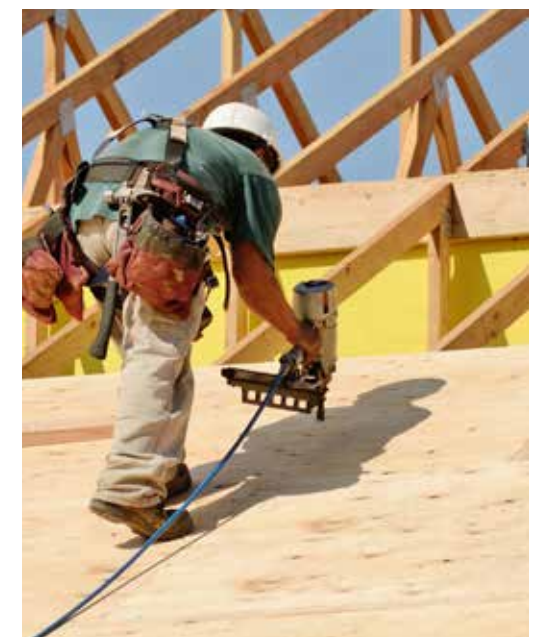
"The Powerplex production process is craftsmanship. From the peeling from the trunk to the actual cross lamination of the varnishing, we have managed to have the wood embrace the set requirements. Every step in the process has been researched and developed further to find the best options. This is similar to realising a certified product, in accordance to EUTR with optimum characteristics." In addition to these great basic characteristics of Powerplex, every Powerplex plywood type has a unique complement.

This means that we not only can offer a powerful plywood with a long service life, but also that we can provide it in various application options. To safeguard the quality during processing, it is important that the processing instructions and painting recommendations are followed. They can be found on the website Powerplex.nl. We simply make it easy for every builder, contractor and architect.

## Looking at the future

Looking at a sustainable future, we have seen the demand for construction using wood rising a few years now. A development that gives us real pleasure to welcome because building with wood has many benefits. In part due to the positive effect on people and the environment, the use of natural materials, the quality of the material and the options to recycle.

Our mission with the Powerplex line is to bring to the market a reliable collection of panel materials that is always available.





# Sustainability

Powerplex does not just guarantee high-quality plywood material, but also quality for people and the environment. Our aim is to continuously sustainably develop Powerplex with a strong focus on circularity. In this way, an active contribution is made to a sustainable future.

Powerplex Bio and Powerfloor Bio have been developed with a bio-based glue that is made of natural materials. This makes it easier to recycle or compost the boards without the need for processing and without detracting from the quality, as shown by SHR test results. In fact, these bio-based products surpass other boards of the same class considerably. The boards also contribute towards a healthier working and living environment because there is no added formaldehyde.
























A life cycle analysis (LCA) was performed regarding various products to obtain a full picture of what the environmental impact of the products is and to ensure we could make them more sustainable. We identified the impact on climate change (CO<sub>2</sub> footprint) and human toxicity.

The declarations of performance and sustainability reports can be found by visiting [powerplex.nl](http://powerplex.nl).



# Delivery programme

The Powerplex collection is a powerful choice for all your projects: large or small. A Powerplex panel is available for every job, indoors and outdoors. An overview of the overall programme:

Product	Application	Details	Page
Powerfloor Bio SE and T&G	 	Non-toxic bio-based bonding	5
Powerplex Pure	 		6
Powerprime Pure	 	White primed on 2 sides: 130/130 µ	8
Powerplex Bio	 	non-toxic bio-based bonding	9
Powerplex Bio x HPL	 	non-toxic bio-based bonding + HPL white finishing on 2 sides	10
Powerplex Deco		4 veneer types	12
Powerplex Plus	  	15 year guarantee	13
Powerprime Plus	  	White primed on 2 sides: 130/130 µ year guarantee	14
Powerfilm	  	120 gr/m <sup>2</sup> phenolic film	15
Powerfilm Antislip	  	120 gr/m <sup>2</sup> phenolic film + 120 gr/m <sup>2</sup> anti-slip phenolic film on 1 side	16

## Continuity and tailor-made

Continuity is very important. These products are therefore kept amply in stock and fast delivery is possible. To ensure continuity and optimize the panels, the composition of the products may vary. This brochure provides the basics, but for the most up-to-date information, please visit our website at [www.powerplex.eu](http://www.powerplex.eu).

In addition to the standard delivery programme, different (tailor-made) sizes and finishes are possible for specific Powerplex panels and finishes. For more information, please do contact your supplier.



# Powerfloor Bio SE and T&G

## Bio-based construction panel

Powerfloor Bio SE and T&G are the sustainable choice for construction panels. The underlayment is built up from fine layers of quality wood varnish with a top layer of smoothly sanded face veneer. This is the visible quality of Powerfloor Bio. In addition. The construction panel has sustainable qualities. Powerfloor Bio, for example, has bio-based bonding and the material is fully compostable. Life cycle analyses have shown that the production of Powerfloor Bio emits 44% less CO2 emissions and is 36% less toxic (to people) in comparison with average underlayment. Perfect for residential and living spaces indoors and sheltered outdoor applications.

We recommend closely following the processing instructions to ensure the Powerfloor Bio quality is safeguarded.

### Characteristics:

- Construction : Radiata Pine
- Quality : B/C grade
- Application : for indoors and (sheltered) outdoors
- Glue glass : II
- Vol. mass : T&G ±550 kg/m³ and SE ±500 kg/m³

### Application:



## Supplied in the following sizes:

Size / thickness mm	Variety	5	5,5	6	8	9	10	12	15	18	22	25	30	40
244 x 61 cm	T&G 4-sides									✓				
244 x 122 cm	T&G 2-sides									✓				
244 x 122 cm	SE					✓		✓	✓	✓				



# Powerplex Pure

## Versatile plywood for indoor and sheltered outdoor use

The much bought plywood Powerplex Pure is known for its excellent price to quality ratio. It is a beautiful practical plywood that is extremely suitable for use indoors in the sizes 3.6 mm and 5.5 mm. We recommend using the panels as from a thickness of 9 mm when using in sheltered outdoor environments. For boarding load-bearing walls, but also for partitions or protective walls that are not load-bearing, Powerplex Pure is the solution. The layers that make up Powerplex Pure have uniform bonding. This makes the Powerplex Pure into a streamlined and flat panel of a constant quality. The ideal plywood to use in any job indoors or outdoors in a sheltered location.

### Characteristics:

- Construction : eucalyptus
- Quality : BB/CC grade
- Application : for indoors and (sheltered) outdoors
- Glue class : I and II
- Vol. mass : ± 550 kg/m³

### Application:



## Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
122 x 61 cm	✓			✓			✓		✓	✓	✓				
244 x 122 cm	✓			✓			✓		✓	✓	✓	✓			
305 x 153 cm			✓				✓		✓	✓	✓				

✓ = only to be used for indoor applications







### Can be painted immediately

Powerprime Pure and Powerprime Plus are nearly ready-made plywood solutions. These plywood boards can be painted immediately after sanding, so that you can quickly get the required look and feel. Thanks to the smooth finish and a thick 130 µ white coating of primer, all preparation work has already been done. We recommend following the painting instructions that can be found on the website.

# Powerprime Pure

## Easy and fast

The popular Powerprime Pure plywood is a multi-applicable white primed on 2 sides panel material for both indoor and sheltered outdoor applications. Powerprime Pure vouches for sustainability and stability. This plywood is primed and ready for use. Due to the five 130 µ coats, the panel looks aesthetically finished and the plywood is ready for finishing to your taste. It is therefore easy to apply the required colour or finish. Powerprime Pure is suitable for indoor use and covered patios, verandas or carports.

## Characteristics:

Construction	: eucalyptus
Finish	: White primed on 2 sides: 130/130 µ
Quality	: BB/CC grade
Application	: for indoor and (sheltered) outdoor
Glue class	: II
Vol. mass	: ± 628 kg/m <sup>3</sup>

## Application:



## Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
244 x 122 cm							✓		✓	✓	✓				



# Powerplex Bio

*Try the power giant of Bio-based*

Powerplex Bio is glued using a bio-based glue without added formaldehyde and plastic. This means the panel is easier to recycle and is biodegradable. Life cycle analysis reveals that, during the production phase alone, there is a 35% reduction in CO<sub>2</sub>-equivalent emissions and a 92% reduction in human toxicity compared to generic plywood from outside Europe. The sheet has been extensively tested and just falls short of class 3 standards. Therefore, Powerplex Bio has proven to be a very safe choice for indoor and sheltered outdoor use, such as in the construction and finishing of walls and furniture. Due to its non-toxic properties, this sheet is a favorite for spaces where health is a priority, such as living rooms and children's rooms.

### Characteristics:

- Construction : eucalyptus
- Quality : BB/CC grade
- Application : for indoor and (sheltered) outdoor
- Glue class : non-toxic bio-based glue, class II
- Vol. mass : ± 599 kg/m<sup>3</sup>



### Application:



### Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
122 x 61 cm	✓			✓			✓		✓	✓	✓				
244 x 122 cm	✓			✓			✓		✓	✓	✓	✓	✓		



# Powerplex Bio x HPL

*Environmentally friendly and efficient in use*

White Powerplex Bio x HPL finished on 2 sides is the plywood to build efficiently and durably. The basis of bio-based plywood Powerplex Bio is circular and it has been produced in an environmentally friendly manner without toxic bonding. In addition, the panel is finished on 2 sides with white HPL (High-pressure Laminate) and therefore the panel material is immediately suitable as a finish. An example is for the construction of furniture such as a table top, cupboard or stand construction for which you would like to use durable and environmentally friendly materials as much as possible.

### Characteristics:

- Construction : eucalyptus and white HPL on 2 sides
- Quality : BB/CC grade
- Application : for indoor and (sheltered) outdoor
- Glue class : non-toxic bio-based glue, class III
- Vol. mass : ± 580 kg/m<sup>3</sup>

### Application:



### Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
244 x 122 cm											✓				







## Powerplex Deco

### *The most beautiful panel of the house*

Powerplex Deco is the ideal plywood for aesthetic applications and interior design indoors. With the decorative veneer types that include oak, teak, cherry and walnut, this plywood has been designed to catch your eye. The veneer has been applied on a solid Powerplex Pure base panel. The beautiful grain markings and warm feel of the veneer makes it suitable for every decorative goal such as interior joinery, furniture and finishing work.

### Characteristics:

Construction	: Powerplex Pure with a top coat of 0.3 mm veneer (on one side)
Veneer	: oak, teak, cherry and walnut
Quality	: A/R
Application	: indoor/dry environment
Glue class	: I
Vol. mass	: $\pm 500 \text{ kg/m}^3$

### Application:

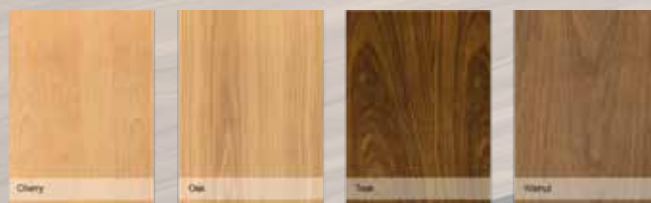


### Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
244 x 122 cm	✓														



Supplied in 4 different veneer types





# Powerplex Plus

*The new standard in plywood for outdoor applications*

Powerplex Plus is a versatile plywood for use outside such as façade work and dormers. The 235x100 cm dimensions are suitable for fence or shed doors, but not for inside or outside doors. Powerplex Plus is the reliable alternative to okoumé with a great price to quality ratio. Due to the wood used and the class III (WBP) bonding, this is the versatile plywood for outdoor applications. The same rock-solid quality as you are used to from okoumé for an attractive price. Including a 15-year guarantee when the guarantee terms and conditions are observed.

### Characteristics:

- Construction : eucalyptus
- Quality : B/BB grade
- Application : outdoor
- Glue class : III
- Vol. mass : ± 580 kg/m³
- Guarantee : 15 years (see the guarantee terms and conditions)

### Application:



### Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
235 x 100 cm															✓
250 x 122 cm		✓			✓	✓		✓	✓	✓	✓	✓	✓	✓	✓



# Powerprime Plus

*Ready-made with a 15-year guarantee*

A powerful plywood that stands its ground in a changeable European climate that is Powerprime Plus. With the same construction of layers as the Powerprime Pure. The Powerprime Plus distinguishes itself as a power giant because it can also be deployed for outdoor applications in the European climate. This plywood can be painted immediately in accordance with the painting recommendations and consists of two timber types. The inside layer is of a high-quality wood veneer and the outside layer is of robust hardwood. Including a 15-year guarantee when the guarantee terms and conditions are observed.

### Characteristics:

- Construction : eucalyptus
- Finish : white primed on 2 sides: 130/130 µm
- Quality : B/BB grade
- Application : outdoor
- Glue class : III
- Vol. mass : ± 580 kg/m³
- Guaranty : 15 years (see the guarantee terms and conditions)

### Application:



### Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
235 x 100 cm															✓
250 x 122 cm								✓	✓	✓	✓	✓	✓		✓





# Powerfilm

*Fast in its use, ready-made Betonplex*

Powerfilm is a frequently used Betonplex (concrete plywood) type. Both sides of the Powerfilm have a 120 g/m<sup>2</sup> phenolic film. This has a smooth surface and moisture-resistant qualities. This makes this panel that is especially suitable for concrete formwork also ideal for the finish in a shed, humid rooms, barns or for stand construction. It is now also available in large versions for the larger jobs. The ideal alternative for the well-known birch Betonplex. Due to the beautiful finish of this strong material, Powerfilm can also be used as a plywood. The boards are easy to clean.

### Characteristics:

- Construction : eucalyptus
- Film at the front : smooth 120 gr/m<sup>2</sup> phenolic film
- Film rear side : smooth 120 g/m<sup>2</sup> phenolic film
- Edge protection : 4 treated edges with waterproof acrylic paint
- Quality : A/A grade
- Application : outdoor
- Glue class : III
- Vol. mass : ± 550 kg/m<sup>3</sup>

### Application:



### Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
250 x 125 cm		✓					✓		✓	✓	✓				
305 x 153 cm											✓				



# Powerfilm Antislip

*Concrete plywood with grip*

The Powerfilm with anti-slip is a Betonplex that goes further than Powerfilm stops. The rear side is covered with smooth 120 g/m<sup>2</sup> phenolic film and the front side with anti-slip phenolic film that ensures a strong grip. This is why Anti-slip Powerfilm is popular as a floor in humid rooms or other applications where a strong grip is the preferred option. The large size is, for example, ideal for floors in trailers and vans.

### Characteristics:

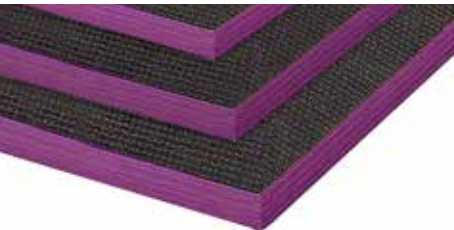
- Construction : eucalyptus
- Film front side : anti-slip 120 g/m<sup>2</sup> phenolic film
- Film rear side : smooth 120 g/m<sup>2</sup> phenolic film
- Edge protection : 4 treated edges with waterproof acrylic paint
- Quality : A/A grade
- Application : outdoor
- Glue class : III
- Vol. mass : ± 550 kg/m<sup>3</sup>

### Application:



### Supplied in the following sizes:

Size / thickness mm	3,6	4	5	5,5	6	8	9	10	12	15	18	22	25	30	40
250 x 125 cm									✓	✓	✓				
305 x 153 cm											✓				



## Processing tips

When using construction materials made of wood, follow the processing instructions. Wood is a wonderful natural product that is alive and, to meet the guarantee terms and conditions, it is important to process the plywood as is described in the processing manual. This is the only way to guarantee the quality.

The processing manual can be found on the website and provides important information about transport, storage, cutting and installation of the panel materials. Below, a few of the most important points are stated.

- ! Always ensure there is good ventilation when working with wood.
- Ensure you use a correct saw cut and use a sharp, fine-toothed saw blade.

### Important for the edge finish:

Round off the edges with at least R3. This ensures that the paint coats using a uniform coat thickness. Chamfer the edges on the bottom side. This will ensure moisture is discharged to the outside and it is not given an opportunity to seep into the connection.

Fill any gaps in the edges and finish the edges using an edge sealer. Apply this in accordance with the instructions of the manufacturer. To ensure the coat thickness is sufficient, using a brush is the preferred option here.

## Experience the power of Powerplex

Strong, durable & versatile

