



Ever lasting



Non-Absorbing



Recycled



Weather Proof

Plaswood Product Range - DECKING

Plaswood a timeless, durable and weather proof decking solution offers year after year of quality. Our recycled plastic decking will not rot, splinter, crack or degrade with age.

Unlike conventional wooden decking, Plaswood requires no annual maintenance, staining or painting. Plaswood decking can be used for board-walks, jetties, cycle ways, pathways as well as for domestic applications such as patios or entertainment areas.

Plaswood decking is available in following size and colours:

40mm x 150mm x 3100mm Jet Black, Earth Brown - Pallet Quantity 120 - Weight 16.22kg



Plaswood Range

- ✓ Signage
- ✓ Planters
- ✓ Litter Bins
- ✓ Picnic Tables
- ✓ Lumber & Fencing
- ✓ Bollards & Gates

See individual products for available colours



Jet Black



Earth Brown

- ✓ Tough
- ✓ Durable
- ✓ Strong
- ✓ Wide Range
- ✓ Versatile
- ✓ Environmentally Friendly
- ✓ Low Maintenance

All dimensions are subject to a tolerance of + or - 3%.

Coloured Plaswood is manufactured from mixed waste plastic which can result in slight colour variation.



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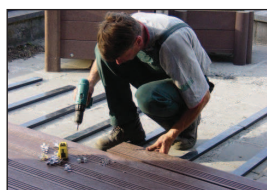
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GENERAL INFORMATION

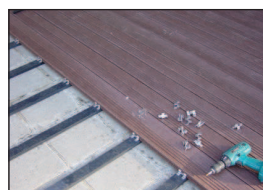
The decking boards available from Plaswood are manufactured at a length of 3100mm, can be worked using standard hardwood working tools and in the same manner as hardwood. Decking boards can be attached by stainless steel countersunk screws or by connect system clips, this allows for:



Easy and quick installation



Automatic placement of the boards at the correct parallel distance.



Aesthetically pleasing installation.



Expansion & contraction of the boards with temperature fluctuations

PREPARATION

GROUND PREPARATION

- The subsoil needs to be firm, smooth and stable
- The soil needs to slope at least 10mm per metre lengthways to the direction of the boards

TOOLS

Always use stainless steel screws when:

- Attaching the connect system clips to the Plaswood posts: 3,5 x 30mm
- Connecting the Plaswood posts to each other: 5 x 100mm
- Connecting Plaswood decking boards to the support frame

PLASWOOD POSTS

Plaswood posts are available in standard dimensions of 50mm square. To ensure the Plaswood posts are fully weight-bearing they must be placed onto a suitable weight-bearing subsoil.

MAXIMUM DISTANCE BETWEEN THE PLASWOOD POSTS:

Angle between posts & decking boards	90°	45°
Recommended distance between the posts	350mm	250mm

RECOMMENDATION: To ensure correct drainage, place the boards lengthways at a right angle to the direction of the wall. This means the Plaswood posts are placed parallel to the wall ensuring the boards slope away from the wall.

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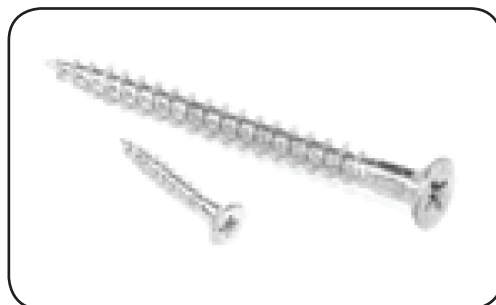


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TOOLS



STAINLESS STEEL SCREWS



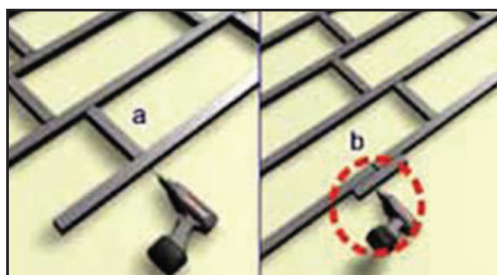
POST INSTALLATION



PLASWOOD POSTS ARE AN IDEAL SOLUTION FOR STABILISING CORNER JOINTS.

1. The Plaswood posts are placed directly onto the subsoil but are not anchored to the ground.

2. To ensure a stable structure, it is advised to attach crossbeams between the posts: this will also make it easier to install the boards.



3. Where more than one post is required to run the length of the application, the posts need to be attached to each other.

This can be achieved by sawing off a piece of post and screwing it to both posts at the join.



4. Where two boards abut along the length of the application, this requires two posts to support the ends of the boards, i.e. one post is required to support the end of one board and another post is needed to support the start of the next board.

RECOMMENDATION: Always allow a 50mm minimum expansion gap between the post and any wall. Only allow a 50mm overhang of the board at the ends of the application.

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DECKING BOARDS

Decking boards have a manufactured length of 3100mm. Small tolerances of +/- 3% of overall length is normal. The cross ends of the boards display extrusion rests, these should be sawn off prior to installation.

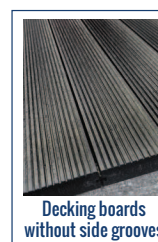
Decking can be supplied with or without grooves which will offer choice of installation method.

DECKING BOARDS WITHOUT SIDE GROOVES

1. The decking boards should be attached to the Plaswood support frame with stainless steel countersunk screws.
2. Recommended gap size between boards is 5mm and 10mm expansion gaps on adjoining ends.



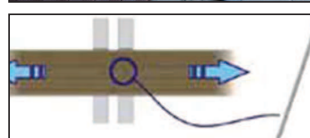
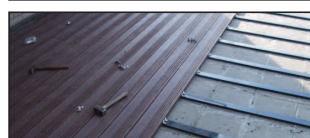
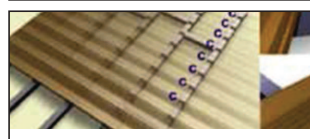
Decking boards with side grooves



Decking boards without side grooves

DECKING BOARDS WITH GROOVES

1. Should be attached to the Plaswood support frame by the connect system clips.



DECKING BOARD INSTALLATION

1. The decking boards should be attached to the Plaswood posts by the connect system clips.
2. Each board is moulded with a groove on each length to allow the clips to glide into place.
3. The first row of boards will only require attaching to one side.
4. Screw the first row of clips to the Plas wood posts and guide the board(s) over the clips.
5. Always ensure the clips are secured in a straight line on the Plaswood posts and always take into account the minimum 10mm expansion gap.
6. Once the first row of boards are laid, slide the second row of connect system clips into the opposite board groove and secure to the Plaswood post.

Where two boards abut each other lengthways, it is recommended that these adjoining ends are fixed to the Plaswood posts by headless stainless steel nails to allow expansion at the opposite end where sufficient gap has been left to accommodate this.

RECOMMENDATION: It is advisable to saw all the boards to the required length at the same time in the same environmental conditions to prevent shrinkage/expansion due to temperature fluctuations. For applications where more than one board is used in the overall length, it is advised to lay the boards in a half-offset staggered formation.

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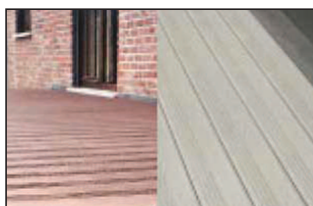
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EXPANSION INTERVALS

The lower the temperature during installation, the more the boards may expand. The decking boards have a maximum linear expansion of 0.109mm per m per °C. It is vital to calculate the maximum expansion of the boards in order to calculate the correct distance between boards/wall/borders.



FINISHING

Upon installation the application can be finished with a border. There are a choice of colours available to compliment the application and the range of profiles allow for a variety of border types.



EXAMPLE 1

Border with square 80x80mm board.

Saw the boards to size using a mitre and screw to the Plaswood posts.



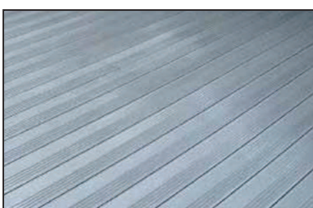
EXAMPLE 2

Border with corbelling (50x120mm board with board 30x150mm). Saw the 50x120mm board to size in a mitre and screw to the Plaswood posts before attaching the decking boards. Finish the border, after you placed the decking boards with a 30x150mm board screwed to the 50x120mm board.



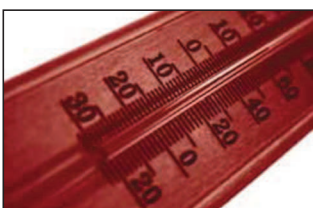
EXAMPLE 3

Vertical board. Choose a board from the range (ie 50x120mm) and screw it vertically to the Plaswood posts. As these boards are 120mm high, the board will need to be placed a few mm in the soil to make it level with the decking boards.



EXAMPLE

- Installation of 3.1m decking at a temperature of 15°C
 - Max. temperature expected 40°C
 - Temperature at installation 15°C
 - Temperature difference 25°C
 - Interval = 0.109mm per m per 10°C
- $$= 0.109\text{mm} \times 3.1 \times 25$$
- $$= 8.44\text{mm}$$



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