



NewTechWood

Batten Pool Fence Installation Guide



The diagrams and instructions outlined in this guide are for illustration purposes only and are not meant or implied to replace a licensed professional.

Any construction of NewTechWood as pool fencing must be in accordance with the criteria contained within this document and all state and local zoning & building codes. The consumer assumes all risks and liability associated with the construction and use of this product.



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01

SAFETY


With any type of construction project, it is necessary to wear appropriate safety equipment to avoid any risk of injuries. NewTechWood recommends, but is not limited to the following safety equipment, when handling, cutting, and installing NewTechWood: gloves, respiratory protection, long sleeves, pants, & safety glasses.

TOOLS

Standard woodworking tools may be used for the cutting of the NewTechWood battens. It is recommended that all blades have a carbide tip.

Appropriate metal cutting blades and equipment for cutting of the aluminium profiles.


PLANNING

 Assess your pool area and draw up accurate drawing showing fence position, height, posts, panels & gate, ensuring the below criteria is met:

- Overall height of fence is at least 1200mm from ground level
- Maximum gap between NewTechWood battens is 90mm wide
- Maximum panel width is 2200mm wide
- Bottom rail has a maximum gap of 100mm from ground level
- Top Rail is at least 900mm above bottom rail (measured top to top)
- The latch release is at least 1500mm from ground level
- NewTechWood battens to be at least 25mm above ground level
- Submit to your local council for planning approval, if required.

 Download Copy of 1926.1 – 2012 Compliance Certificate from our website

 Determine the quantity of each material component required.

 Visit State and local council websites to seek a comprehensive guidance on the pool safety barrier requirements in Australia.



Does your safety barrier tick all the boxes?

If not, you risk the lives of young children and may face substantial fines or prosecution.

This summarised checklist is not exhaustive and should be read in conjunction with the local rules.

Check the pool gate

- Does the pool gate close by itself from any open position? Does
- The gate have a self-latching device?
- Does the gate open away from the pool?
- Is the latch release mechanism at least 1.5 metres above the ground?

Check the pool fence

- Is the fence fixed securely in place?
- Is the outside of the fence at least 1.2 metres high?
- Are all vertical uprights in the fence spaced 10cm or less apart? Is
- There at least 90cm between handholds and footholds?
- Is the bottom of the fence 10cm or less from the ground?
- Is the surface directly beneath the fence stable and not easily eroded? If
- A boundary fence forms part of the pool safety barrier, is it at least 1.8 metres high?

Check climbable objects

Barbecues, flower-pots, trees, retaining walls, plumbing, cubby houses, toys, outdoor furniture, pool pumps etc. may all help a young child to climb into the pool area.

- Is the pool area clear of any items that would assist a child to climb over the fence or reach the latch on the gate that provides access to the pool area?

Check windows

Is the openable portion of a window that forms part of a safety barrier:

- Permanently restricted to open no more than 10cm by a device that requires the use of a tool to remove it?

or

- Covered by bars or a metal screen, fixed in place by a device that requires the use of a tool to remove it?

Please note that key locks are not considered to be a permanent restriction.

Doors

- Doors with direct access to the pool area require local government approval.
- Pet doors are not permitted



INSTALLATION SEQUENCE

1 Marking Out

- ✔ Carefully mark out your fence layout using string-lines and spray paint for post locations.

2 Posts

- ✔ Dig holes for your concrete footings for posts to have 500mm embedment.
- ✔ Footing Size: 600mm deep x 200mm x 200mm.
- ✔ Cut posts to desired size, place in holes and concrete in.
- ✔ Recommend two (2) of 20kg bags of concrete per post.
- ✔ Allow suitable time for concrete to set.
- ✔ Use rubber mallet to tap black plastic post end caps place.

3 Horizontal Rails

- ✔ Cut your horizontal rails to size to suit panel widths between posts.
- ✔ Fit top & bottom horizontal rails to posts using 40mm brackets, using coloured head tek screws.
 - Ensure bottom rail is max 100mm above ground, & top rail is at least 900mm above bottom rail (top to top).
 - Ensure open 'C' section space is pointing towards pool area.
- ✔ Secure rails in place with coloured tek screws fixed through bracket.

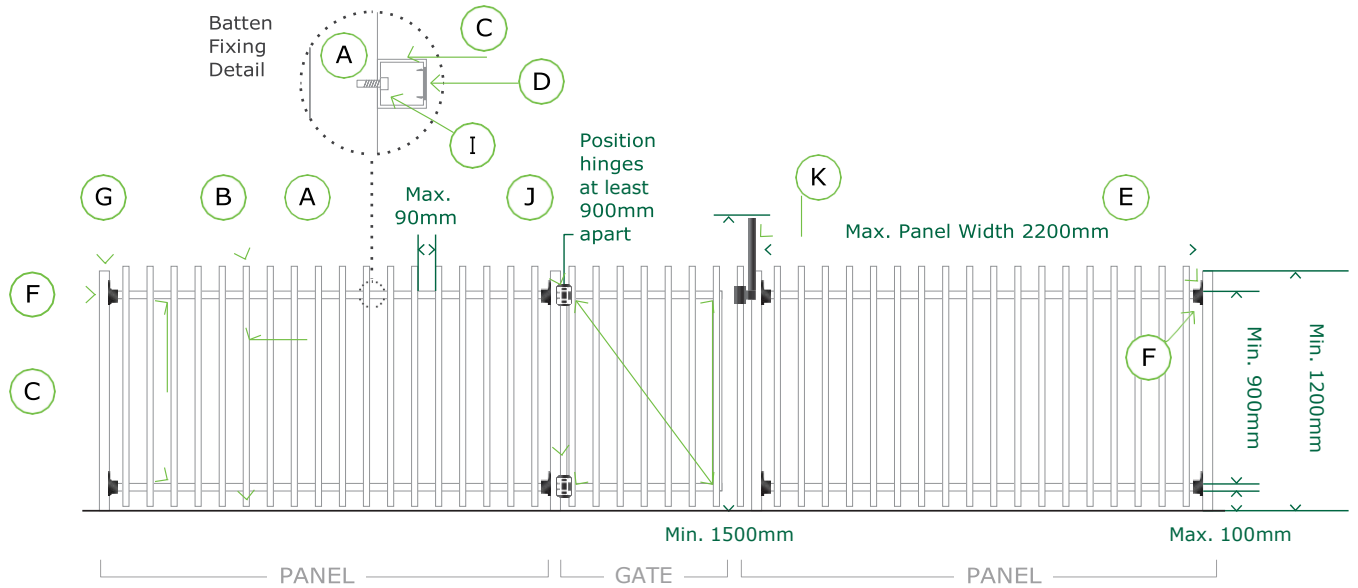
4 NewTechWood Battens








- ✔ Cut your NewTechWood battens to match desired height.
 - Recommended at least 25mm from ground level.
- ✔ If using end caps, use rubber mallet to tap in place.
 - Recommended end caps for top & bottom of batten.
- ✔ Fix battens to horizontal rails using galvanized tek screws.
 - Recommended one tek screw per fixing point of batten.

5 Rail Infill

- ✔ Measure the rails between the brackets on the pool side and cut infill piece to size.
 - Recommended taking 2mm off tight measurement.
- ✔ Use rubber mallet to tap into place.
 - Infill piece will click into rail.





Drawing	Description	Colours	Part #	Unit
A	 NewTechWood CompositeHollow Screening Batten	Ipe, Canadian Cedar, Ebony	UH55	5.4m /L
B	 End Caps to suit NewTechWoodBatten	Ipe, Canadian Cedar, Ebony	EC-UH55	Pack (20)
C	 Aluminium Hidden Face Fix Fence Rail - 5m	Pearl White, Satin Black	ST RAIL5M	5m / L
D	 Aluminium Hidden Face Fix Fence Rail Cover - 5m	Pearl White, Satin Black	ST RAILCOVER5M	5m / L
E	 40 x 40mm Rail Bracket	Pearl White, Satin Black	ST BRACKET	Each
F	 Aluminium Post - SH Black 40mm Posts, Square Edge	Satin Black	ST POST 2.1	2.1m /L
G	 Post End Caps (65mm)	Black	ST POST CAP	Each



Measuring

- ✓ Measure width between your two gate posts and deduct 40mm (20mm for each side) to get your gate frame width.

Cutting

- ✓ Mitre cut 50mm Post section to suit width & height of gate frame

Assembly

- ✓ Position corner stakes on gate frames, and use rubber mallet to hammer in.
- ✓ Suggested sequence: Place 2 corner stakes inside each of top and bottom gate frames first, then position those with vertical gate frames to press in and form rectangular gate frame.

Cut Horizontal Rails & Infill Pieces

- ✓ Measure **internal width** between your gate frame, and cut 2 of 40mm horizontal rails & infill pieces to suit.
- ✓ Position the rails at top & bottom of internal of gate frame, with solid flat edge aligned with front of gate frame, **MARK**, then set aside.

Fix Frame Together

- ✓ Use Tek Screws through gate posts into corner stakes/
 - **Important Note:** Ensure screws are positioned to be internally of the 40mm rails.

Fix Horizontal Rails

- ✓ Notch ends of the horizontal rails to sleeve around tek screws. See **DIAGRAM 2**
- ✓ Pre-drill holes at 5mm diameter, as shown in **DIAGRAM 3**
 - **Important Note:** Keep holes close to open side of rail.
- ✓ Position the horizontal rails to gate frame and mark holes on gate frame, then remove & set aside.
- ✓ Pre-Drill gate frame with pilot holes to suit tek screws.
- ✓ Re-Position the horizontal rails to gate frame and fix through pre-drilled holes with tek screws.

NewTechWood Battens

- ✓ Fix battens to horizontal rails using galvanized tek screws.

DIAGRAM 1

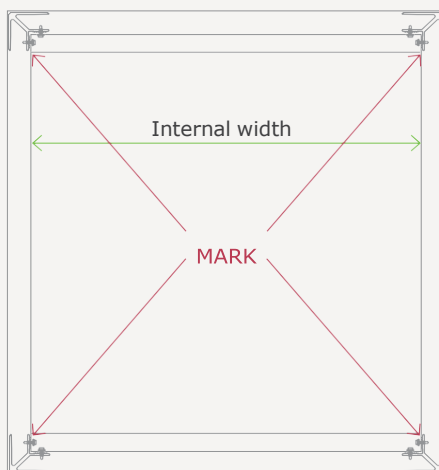


DIAGRAM 2

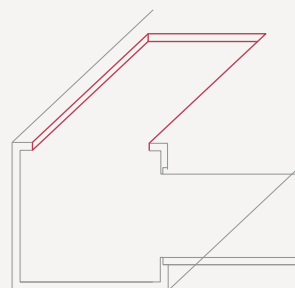


DIAGRAM 3

