UltraShield® | FENCING |

IMPORTANT:

Read All Sections Before You Start

For the most up to date information, please visit our website @ www.newtechwood.uk

Prior to installing any composite product,it is recommended that you check with local building codes for any special requirements or restrictions.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 or use of NewTechWood must be in accordance with all local zoning and/or building codes.The consumer assumes all risks and liability associated with the construction and use of this product.the effects of reflected sunlight.

Safety
When dealing 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, a respiratory protection,long sleeves,pants,and safety glasses.

Tools
Standard woodworking toolsmay be used.It isrecommended that all blades have a carbide tip.Standard stainlesssteel screwsare recommended.

Environment
A clean,smooth,flat,and strong surface is needed to install NewTechWood'sproductscorrectly.Please check with local building codes before ever installing any type of fencing If installation does not occur immediately NewTechWood'sproductsneed to be put on a flat surface at all times.Never ever should it be put on a surface that is NOTflat.

Planning
Plan a layout for your fencing before starting it to ensure the best possible looking fence for your project. Building codes and zoning ordinances generally apply to permanent structures,meaning anything that is anchored to the ground or attached to the house.So nearly every kind of fencing requires permits and inspections from a local building department.We recommend drawing out a site plan of your proposed project that you intend to do to minimize errors and make your perfect fence.

Construction
NewTechWood UltraEasy fencing is NOTintended for use as columns, support posts, beams, joist stringers or other primary load-bearing members.NewTechWood must be supported by a code compliant substructure.While NewTechWood products are great for retrofits NewTechWood's products CANNOTbe installed on existing fence boards.

Static
Static can also be more prevalent in areas that are of higher altitude because the humidity is lower.For these areas,be careful of using conducive objects such as metal railing and chairs as static shocks might occur more often.A potential way to lower the amount of static shocks occurring is to apply Staticide (www.aclstaticide.com) on your deck or use anti-static mats before doorways.NewTechWood's products have been tested against EN 1815 -Assessment of Static Electrical Propensity and have received values under the maximum standard of 2kV.

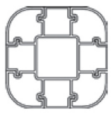
Ventilation
UltraEasy fencing needs to have at least one of the clips installed at the bottom of each aluminium post sleeve as well as a starting and ending aluminium trim to work properly.If one clip is not installed at the bottom of the post sleeve,there will be not sufficient enough air flow and could result in high wind speeds damaging the fence.

Heat and Fire
Excessive heat on the surface of NewTechWood products from external sources such as but not limited to fire or reflection of sunlight from energy efficient window products.Low-emissivity (Low-E) glass can potentially harm NewTechWood products.Low-E glass is designed to prevent passive heat gain within a structure and can cause unusual heat build-up on exterior surfaces.This extreme elevation of surface temperatures,which exceeds that of normal exposure,can possibly cause NewTechWood products to melt,sag,warp,discolor,increase expansion/contraction,and accelerate weathering.
Current or potential NewTechWood customersthat have concernsabout possible damage by Low-E glass should contact the manufacturer of the product which contains Low-E glass for a solution to reduce or eliminate the effects of reflected sunlight.

UltraEasy Fence Parts:

A - FN0223
(X2)

B - FN0213
(X2)

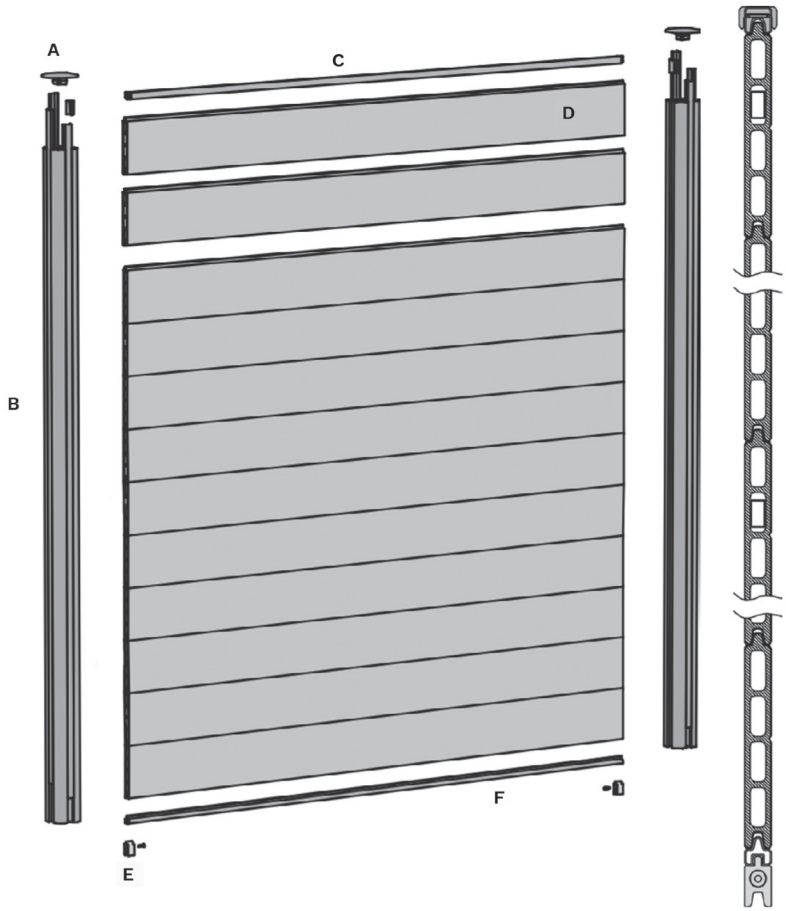


C - FN0217
(X1)

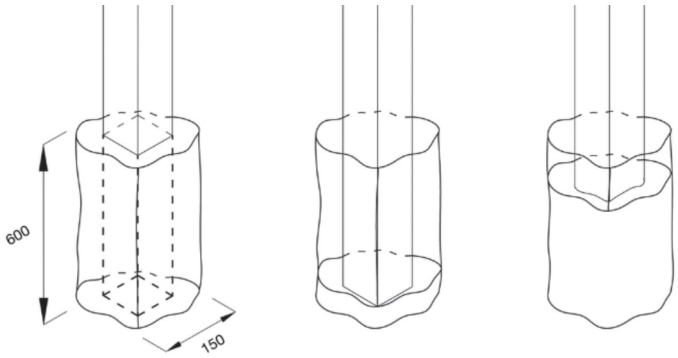
D - UH28
(X12)

E - FN0101
(X2)

F - FN0216
(X1)



STAGE 1 - Post Concrete Mix
Follow mixing instructions as instructed by the post mix manufacturer's guidelines.The posts should be buried in an area 600mm deep by 150mm wide (see below). Pour the mix into the hole and allow 15-20 minutes to set.



STAGE 2 - Anchor Clip Installation
Next to the anchor clip (G -FN0101) will be installed into the very bottom of the aluminium post sleeve (B -FN0213) as shown in Diagram 1. Set the correct height by levelling (FN -2016) across.

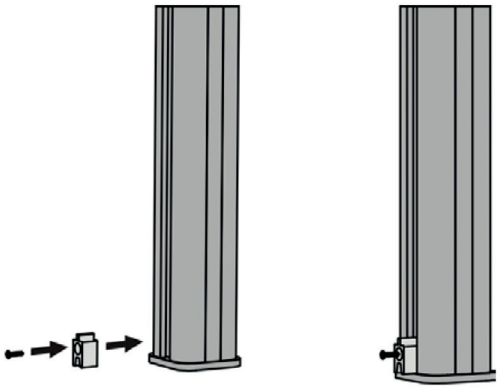


Diagram 1

STAGE 3 - Starting Aluminium Trim Installation
Now the starting aluminium trim (D -FN0217) can put over the two anchor clips (G -FN0101) inside the aluminium post sleeve (B -FN2013) channels as shown below in Diagram 2.

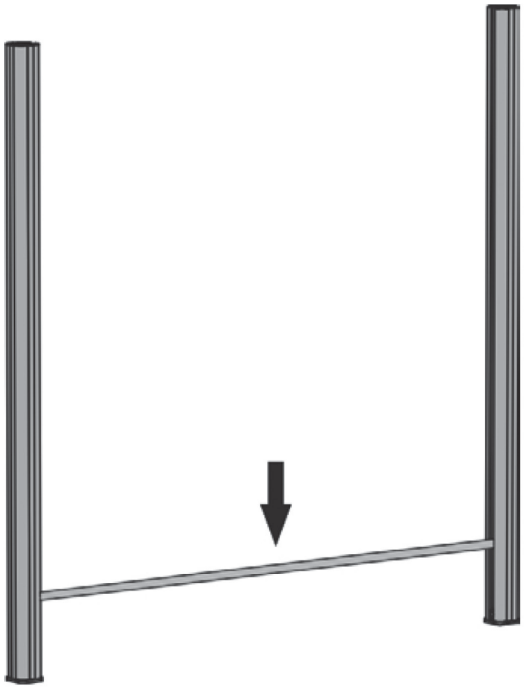


Diagram 2

STAGE 4 - Fencing Board Installation
The fencing boards (E -UH28) can now be put over the starting aluminium trim (D -FN0217) by putting each board down the open channels of the aluminium post sleeve (B -FN2013) channels as shown below in Diagram 3.

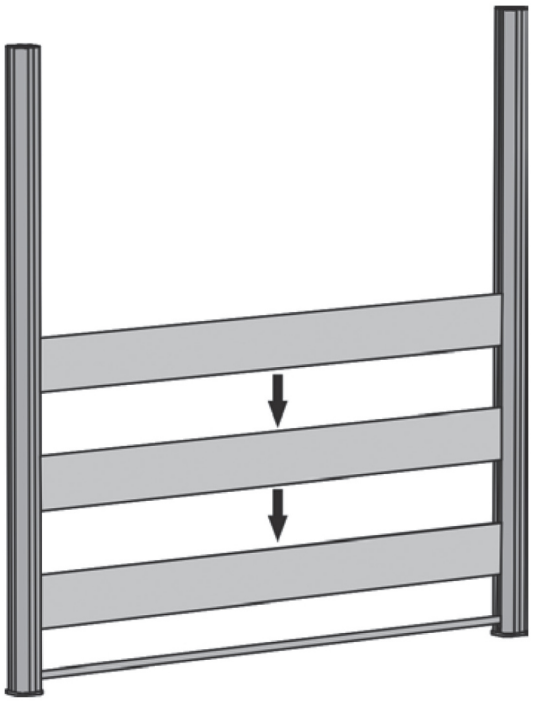


Diagram 3

* Every third board may require a metal reinforcement through the second hole from the top of each fence panel to combat warping due to exposure to high temperatures. These parts are available to purchase from your supplier.

High wind may cause the panels to rattle,if so one pee size amount of silicon in the tongue and groove every row will stop this

STAGE 4 - Fencing Board Installation
Continue until all fence boards (E -UH28) are installed as shown in Diagram 4.
If you are using decor panels: Small Leaf (FN -0301LS), Large Leaf (FN -0302LL), Small Bar (FN -0303BS), Large Bar (FN -0304BL) simply change the boards with this panel.

Diagram 4

STAGE 5 - Ending Aluminium Installation
Now the ending aluminium trim (H -FN2016) can be put over the last fence board (E -UH28) inside the aluminium post sleeve (B -FN2013) channels shown below in Diagrams 5, 6 and 7

Diagram 5

STAGE 5 - Ending Aluminium Installation

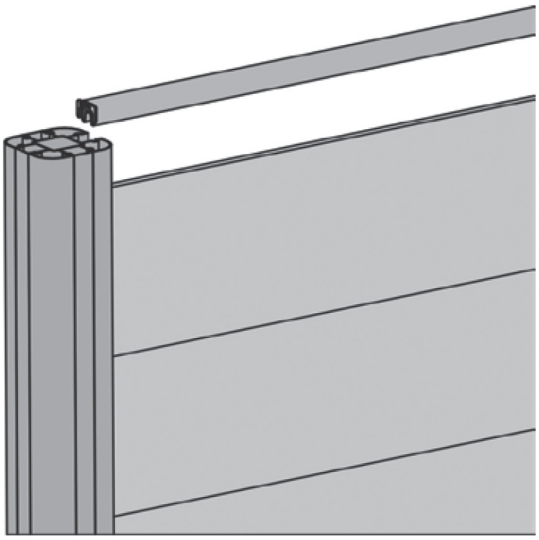


Diagram 6

STAGE 5 - Ending Aluminium Installation

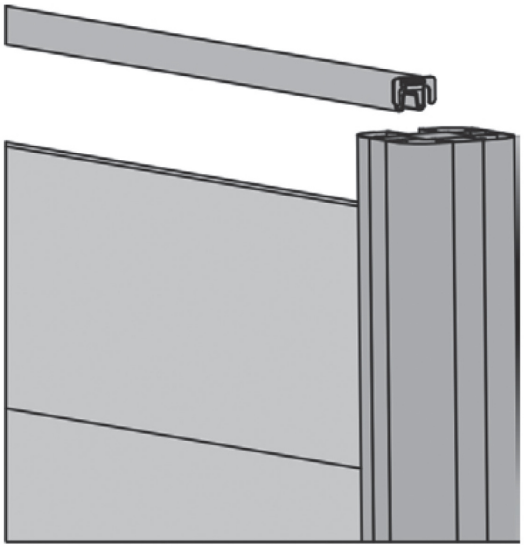


Diagram 7

STAGE 6 - Installing The Post Cap
An extra piece of the post trim can be cut to fill up the void between the top of the ending aluminium trim (H -FN216) and the post cap (A -FN0223) as shown below in diagram 8.

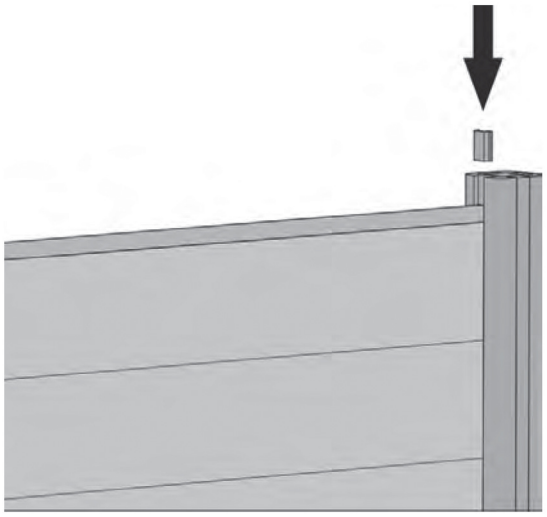


Diagram 8

STAGE 6 - Installing The Post Cap
The post cap (A -FN022) can now be placed on top of the post as shown in Diagram 9.

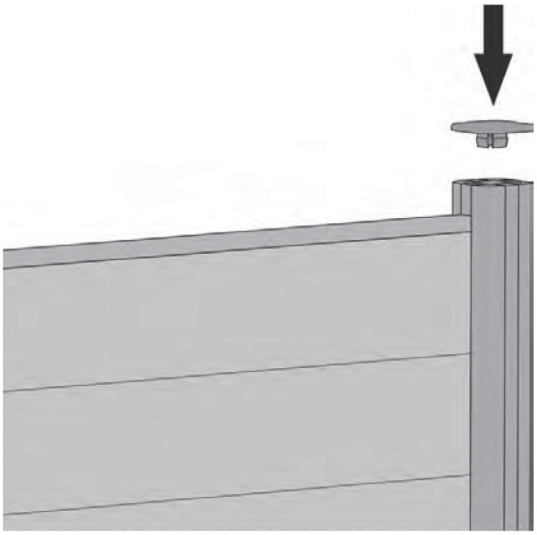


Diagram 9

STAGE 7 - Completed fence
The completed fence should look like Diagram 16.

Diagram 10