

## Edenex® Installation Guide

Before installing the Edenex® decking system on your project, it is important to read the instructions and follow the procedures laid out in this brochure.

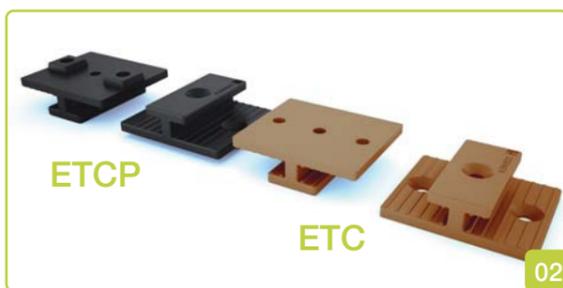
The correct tools for the job include:  
Spirit level, Mitre saw, Electric drill with appropriate drill bits, Measuring tape, Jigsaw and power screwdriver.

Familiarise yourself with the Decking Planks (ETP4). They are two sided, and you have an option of displaying either side, depending on your taste.

Like most exterior wooden decking products Edenex Planks will, first rapidly and then gradually, mature towards their final weathered colour. Over the course of this time, the colours of the brushed and unbrushed section of the planks will become more uniform, any minor variation attractively reflecting the variation found in the natural material content.

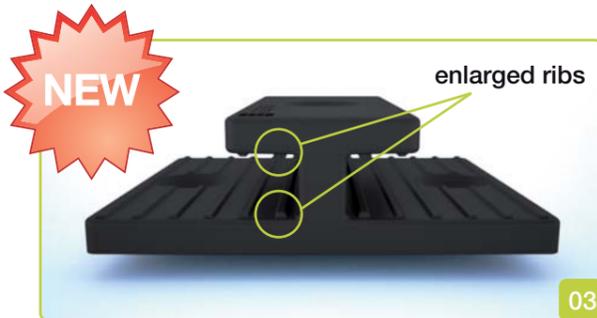
The Support Beams (ETB4) are rectangular extruded profiles onto which you will fix the Edenex Planks. You have the option to turn the beams on their long or short side depending on your height requirements. By using the smooth sides or the recessed sides you have two other height options. Use the ETCP clip when you choose the Support beams and the recessed sides. Use the ETC when you use the Support beam with one of the flat sides upwards or if you choose to use a timber support joist.

You can finish the project using an Edenex decking plank as a skirting as shown in Figs 18-21 below.

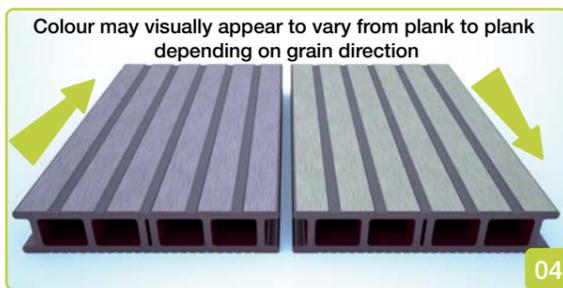


Our special hidden Centre Clips (ETC and ETCP) have been designed to securely link the planks together. Ensure you allow a uniform gap of 7mm between each plank. Our finishing clip discretely finishes the end of a run of Edenex planks.

These new clips have special enlarged ribs toward the centre spine, to allow expansion along the width (Fig 3 and Fig 15)



The Edenex Planks attain their rustic look by brushing a grain along each length. This has directionality, and it is important to align each plank with the grain in the same direction, to ensure that they remain colour consistent. (Fig 4)

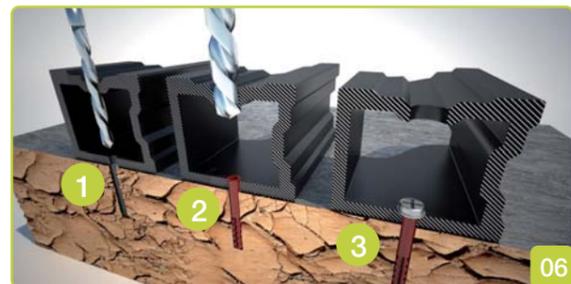


You have a choice of two finishes with each Plank (Fig 5). Fig 5 - 1 illustrates a pattern with multiple small, close grooves. Fig 5 - 2 shows the alternative finish, with less grooves and a larger brushed surface area.

The Edenex Support beams MUST be secured onto a solid and secure substructure such as concrete as shown in Fig 6. Decking planks should never be fixed directly to the ground.

Fig 6 - 1: Pre-drill Beam all the way through. Drill into the ground.  
Fig 6 - 2: Re-drill top face of Beam to allow screw head to pass through before inserting rawl plug into ground.  
Fig 6 - 3: Fix screw into position securely. It is advisable to use a powerdriver for this operation

The Support beams should run parallel to each other at a maximum distance of 500mm between centres. Each beam should be screwed into the floor slab, using appropriate fixings at 500mm intervals along the length of the beam.



Ensure the ground is clean and sloped in the correct direction before starting installation. Drainage is very important and it is crucial to ensure there is a slope of at least 5mm per metre away from the house. At the end of the run, it is also important to allow a gap for water to escape. Using levelling blocks is NOT advised and doing so in an unstable or widely spaced way may void any warranty. You should only begin installation of the Edenex Decking system, once all of the requirements have been met.

Always ensure to allow a gap of 10mm from the wall to the end or side edge of the support Beams. This allows for expansion and for water to disperse. Similarly, allow a gap of 8mm where ends of planks butt each other (see Fig 14). Always set beams up to allow water to escape (Fig 7)



Once the completed support framework has been laid and secured, you can begin installation of the Edenex Planks. Cut the planks to length using a power saw with fine tooth carbide blade allowing for the expansion gaps mentioned above. Make allowance for expansion in length of 3mm per metre length on all planks and 3mm in width in each plank.



Starting at the top, place the End Clip into the groove on the Support Beam and secure in place ensuring that the end of the clip with the screw hole is flush with the edge of the support beam as shown in Fig. 8 - 1.

Place a Centre Clip into the groove on the Edenex Support Beam and screw into place. It is advisable to use a second screw on the free side of the clip. Ensure the Centre Clip is placed tight against the End Clip as shown in Fig. 8 - 2.



Position the decking plank, so that it fully engages in the fixed Centre Clip. Then, push the decking plank downwards as shown in Fig 9. This will engage the clip action of the end clip, and the plank will lock into position.

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It is possible to use an aluminium profile as an alternative start and finish trim (Fig. 10). This trim requires a slightly different approach when installing the planks. It is important to fix the plank in position before positioning the centre clip, unlike Fig 9.



The planks should never be allowed to overhang by more than 50mm. Doing so may void your warranty (Fig 11).



If the Edenex plank finishes parallel to a wall or structure, it is essential to leave a gap between the plank and the wall. Allow a 4mm gap along the length and a 10mm gap at the end (Fig 12).

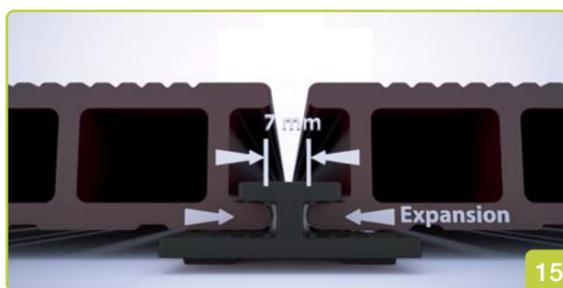


From here, the process is very straightforward. Position the next decking plank into position, by again, engaging it in the fixed Centre Clip as shown in Fig 13. Use this board to position the next clip and screw into place. Repeat this step as often as required to fix all planks in place.



When placing planks end to end it is important to allow a minimum of 8mm between planks. This distance will slowly close as the planks expand. (Fig 14-1).

It is very important to fix a second Beam section in place to support the ends of butting planks. **Do not attempt** to join the two planks with one clip on the same beam! Expansion and contraction will compromise security and may void your warranty. (Fig 14)



To allow for expansion use spacers cut to 7mm to check that a 7mm space is maintained between planks running parallel. Over a period of time the planks will expand to close this gap to approximately 4mm. (Fig 14-2). Expansion room is allowed for in the new centre clip as shown in Fig 15



To fix the final plank, simply screw the end clip into position using the previous centre clip as a locator (Fig 16). Repeat the action of engaging the plank in the centre clip, then push the board into position, making sure that the end clip locks the final plank in place as you did for the first plank (Fig 9).



There are various ways of finishing the installation. It is possible to use the Edenex Planks as a skirting profile. This requires some extra tools and should only be completed by experienced fitters or skilled operators.

Because the width of the Edenex Planks will be greater than the width of skirting required, it will be necessary to cut and finish the plank along its length to get the desired height. It is also necessary to ensure the cut occurs in the same place as one of the internal ribs of the plank. (fig 18 -1)

It is important to ensure that expansion gaps are allowed for during calculations.



Once the cut is finished, it is advisable to plane the exposed edge as shown in Fig 18 -2.

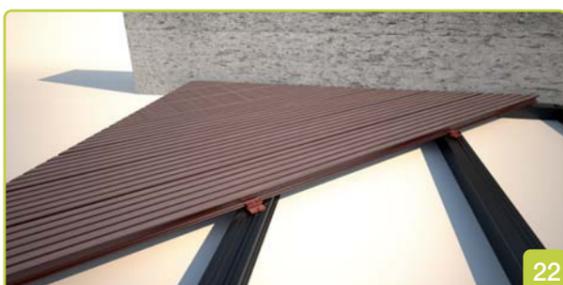


Fig 21 shows a finished installation with the Edenex plank used as a skirting profile.



Fixing the Edenex Plank as a skirting board is relatively simple. Screw through the plank, into the Edenex plank edge with no more than 500mm between fixings using screws long enough to engage the second rib on the deck plank. Fig 19.

It is advisable to mitre corners if possible, to keep a clean seamless finish. It is also possible to use the Edenex plank to hide gaps to wall surfaces as shown in Fig 20.



Fixing the Edenex planks at 45° to a wall and/or to the Beams requires careful consideration.

Decking planks can be used as risers and treads on a traditional wooden or metal stairs structure/framework provided support is provided at 400mm centres. If in doubt seek professional advice.



## TECHNICAL INFORMATION

Edenex is an innovative low maintenance product that does not require treating or any special maintenance for its entire life. For normal maintenance an occasional sweep or wash with a high pressure cleaner (80 bar max) will suffice. A rotating head is not recommended. A mild cleaning product can be used. Grease stains and oil can be cleaned with a domestic degreasing agent. Solvents should not be used. To ensure good drainage it is necessary to keep the space between each board clear.

If the deck is stained: Where possible remove the stain immediately to ensure the stain can't dry and/or penetrate the material. Clean with a mild soap solution and water. Where immediate removal is not possible, the stain may penetrate the material. Thoroughly clean with high-pressure cleaner (80 bar max). Use a light abrasive pad in the direction of the grooves; the slight discolouration will even out in 6 - 10 weeks.

### Edenex System Part Quantity Requirements

Part	Deck area (Square metres)			
	6m <sup>2</sup>	12m <sup>2</sup>	18m <sup>2</sup>	24m <sup>2</sup>
Planks (ETP4)	11	21	32	42
Beams (ETB4)	5	9	13	16
Clips (ETCP)	99	189	288	378
End Clips (ETECP)	10	18	26	32

**Note:** Please note that the part quantity requirements outlined above are a general guideline only and actual requirements for specific installations may vary.

### Dimensions

**Plank (ETP4):** Length = 4m; Width = 140mm; Thickness = 28mm.  
**Support Beam (ETB4):** Length = 4m; Rectangular: 60mm x 50mm.

### Notes

1. Edenex™ decking is easily worked with conventional woodworking tools. Nailing is not suitable due to the hardness of the material.
2. Edenex™ should not be used as structural components.
3. If it is intended to screw the Edenex directly to the support beams ensure that a pilot hole is first drilled. Pilot holes should be used wherever possible.
4. Edenex™ should be stored on a flat, dry surface. Adequate ventilation and support is required to avoid deformation.
5. Make allowance for expansion in length of 3mm per metre length on all planks and 3mm in width in each plank.