TREKKER
COMPOSITE DECKING

TREKKER INSTALLATION INSTRUCTIONS

The performance and longevity of any decking material is dependent on the correct installation methods.

Substrate & Bearers

Where the decking is to be fitted to a structural cementitious base, Trekker decking joists or Class 4 timber joists may be used. These must be of a minimum 30mm thickness and 50mm face width, spaced at 300mm centres and fixed to the substrate every 500mm along their length with nylon hammer-fixings. Joists should be doubled at the short-end joints of planks as per the diagram. Spacing of 15mm should be left at the point where joists meet to allow water run-off beneath the deck. Where a single joist length spans the area to be installed, notches can be made to the underside of the joist to allow run-off.

Where a structural joist is required when installing to pedestals or cross-bearers, Class 4 timber joists of a suitable depth, aluminium joists and/or the Trekker Raised Deck System may be used. Consult the Trekker Raised Deck System installation instructions for further information.

Installation of Decking Materials

A successful TREKKER decking installation is dependent on 4 key factors:

1. Correct spacing of the supporting joists/battens at no more than 300mm centres.
2. A longitudinal slope of at least 1% to allow run-off and prevent standing water.
3. Correct expansion allowance of 6-8mm at the short end joints between planks and 10mm at the perimeter of the installed deck.
4. WPC joists may only be used when fixed to a structural base and not as part of a raised or elevated decking system.

The area should be assessed to ensure that the final cut is no less than 1/3 of the width of a plank. If the final cut will be too small, then the installation should also begin with a rip-cut. Standard woodworking router tools can be used to profile a groove to the side of the sawn plank so that the clip can be engaged. N.B. semi-solid constructions require planning of cuts to ensure that the appropriate structure of the plank can be machined accordingly.

When installing Trekker Nosings, the nosing must be installed first as the start-point of the installation. The Trekker nosing is profiled to receive a standard clip and the installation should be planned to accommodate longitudinal (rip) cuts at the opposing junction.

Trekker clips can be cut down to form start/end clips by removing half of the clip mechanism. Stainless steel start clips are also available in the Trekker brochure. Clips should be fixed with the appropriate supplied screws at every joist, ensuring that the placement of the next board engages fully with the opposing side of the clip.

Where physical or face fixing of planks is necessary at mitred junctions or perimeter details, the decking must be over-drilled to allow for expansion around the fixing, this prevents splitting of the material. Drill the point of fixing with a 3mm bit into the support and then drill to the decking depth only with a 7mm bit before screw-fixing with the appropriate supplied screws.

Physical fixings may only ever be applied to one point of the plank. This can be at one end or at the centre of the plank, but the opposing points must be fixed with clips to allow longitudinal expansion. Screw fixing of the plank at multiple points can result in splitting of the material.

Where high surface temperatures are likely to occur due to transfer of heat from a large thermal mass (of concrete), timber joists or Trekker joists placed on EPDM rubber may be used to prevent the formation of a thermal bridge.

TREKKER®
COMPOSITE DECKING AND CLADDING

Trekker Decking Instruction manual

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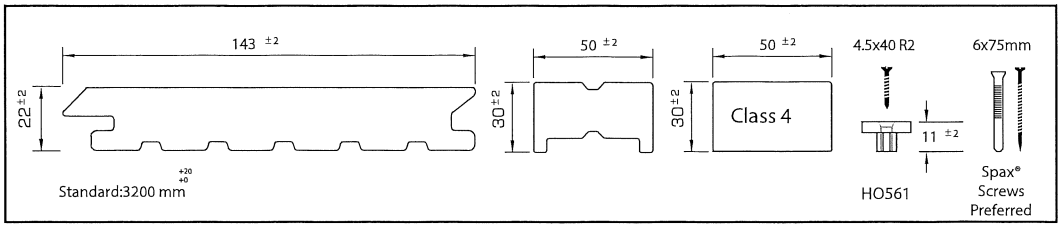

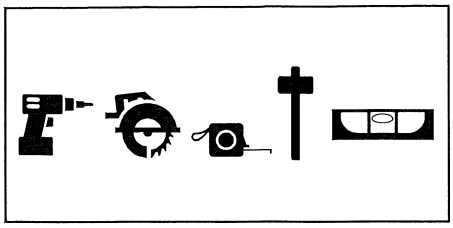

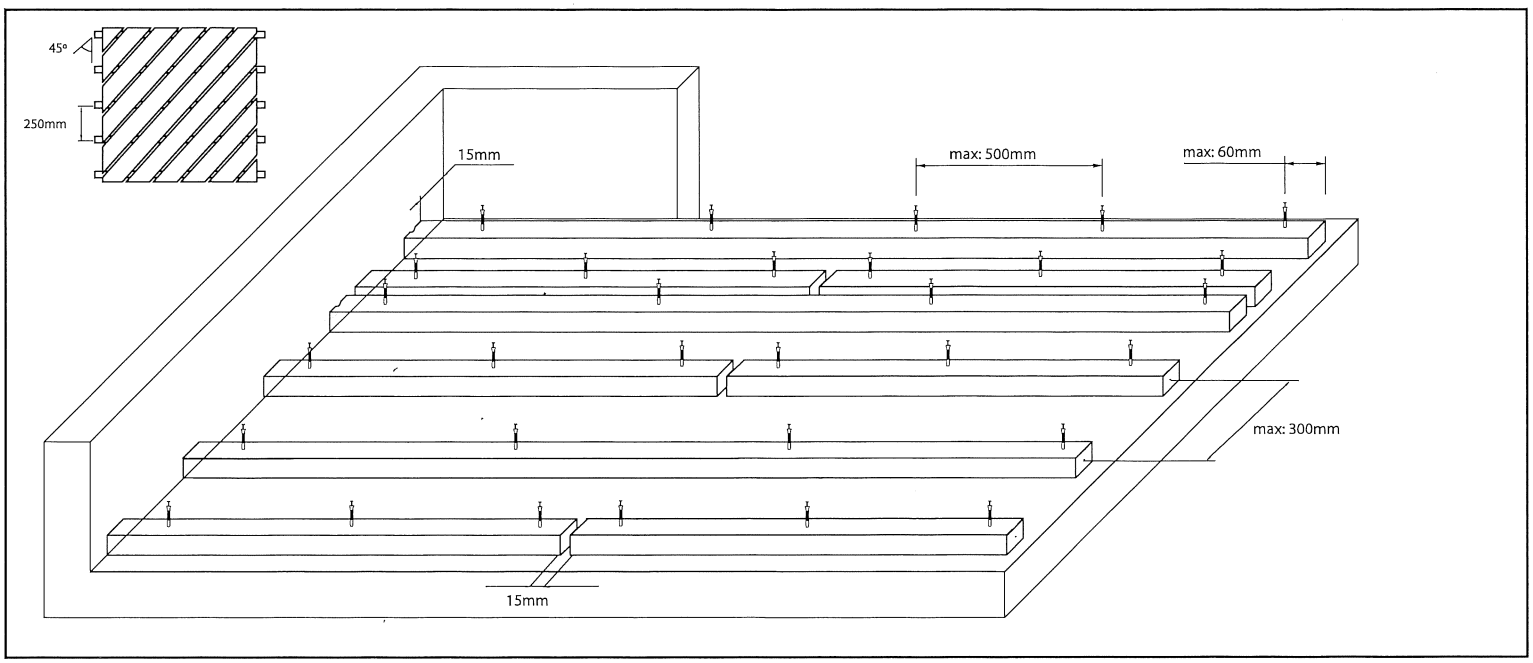

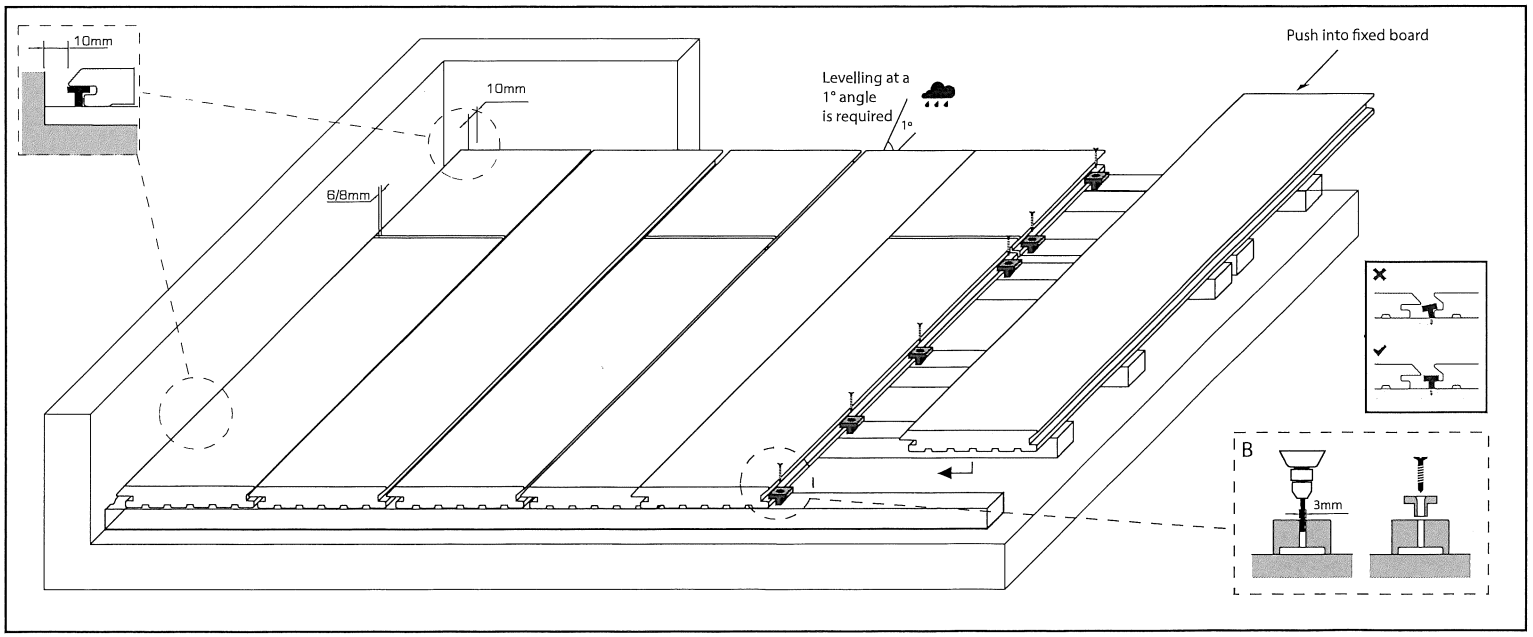

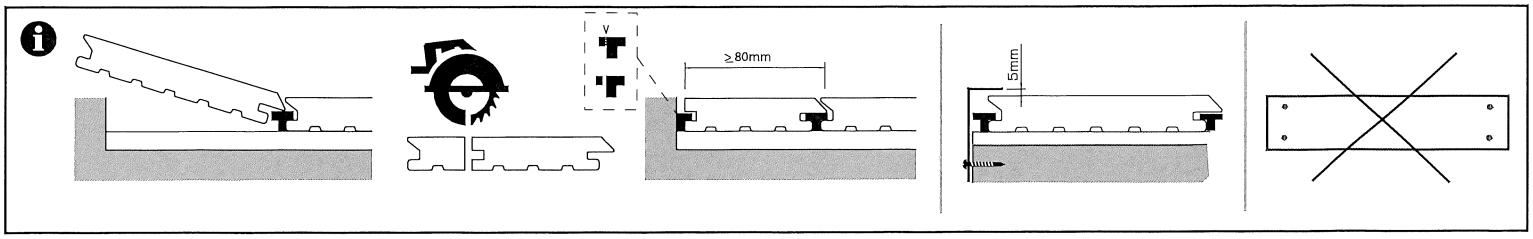

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