



SKIRTEC GROUP PTY LTD

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SKIRTEC TECHNICAL SUPPORT



INSTALLATION TIPS AND TECHNIQUES

TYPE 21 SERIES (PCAB21 & PCB21*)

*(* please note - the PVC base is no longer available)*

This document covers key installation techniques which, if followed, will ensure an installer achieves a high standard of installation and efficiency.

This document does not replace the need to comply with Product Installation Instructions or any technical regulations or standards applicable within the Electrical Industry.

The Index on Page 2 will assist in the search for specific issues.

If additional support is required please do not hesitate to contact Skirtec:



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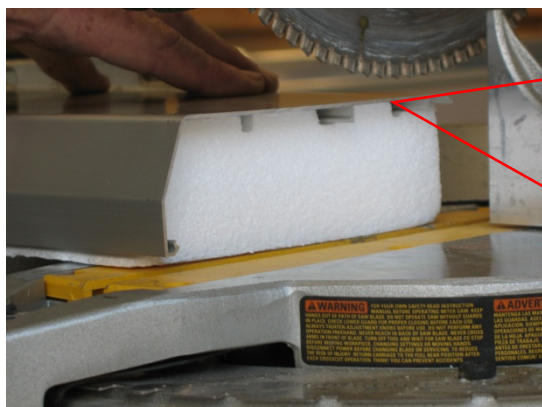
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General Techniques

Use the correct tools and techniques to ensure safety and quality workmanship:

- Use aluminium saw blades to cut base and cover and the Skirtec Cutting Block to cut cover sections.



General Tip 1.

Skirtec recommends the use of a 'drop/draw' saw with an aluminium cutting blade (Skirtec uses Tungsten Carbide tipped with minimum 100 teeth on 250mm diameter). Ensure the saw is set for accurate 90° cuts.

General Tip 2.

Use the cutting block (supplied free of charge), to ensure square cuts to covers. Don't cut through the block; position it adjacent to the 'cut through path'.

General Tip 3.

If 'saw-flick' occurs (usually blunt blade) cut down slowly first and then draw to avoid. Use cutting wax.

- Follow installation instruction provided.
- Take care with the installation of the base section as this ensures cover up is easy & clips well.
- Base sections must be fitted level along full system. Ensure adjoining sections of base align well.



General Tip 4.

Shoot a laser line or chalk line to keep the base installation level (or use a spirit level).

- Use appropriate tools and fasteners for attaching the base section. Generally fasteners are to be used along the base, top and bottom, with centers no greater than 800mm (into studs where applicable). Liquid nails may also be used as an addition to other fasteners.

General Techniques (cont)



General Tip 5.

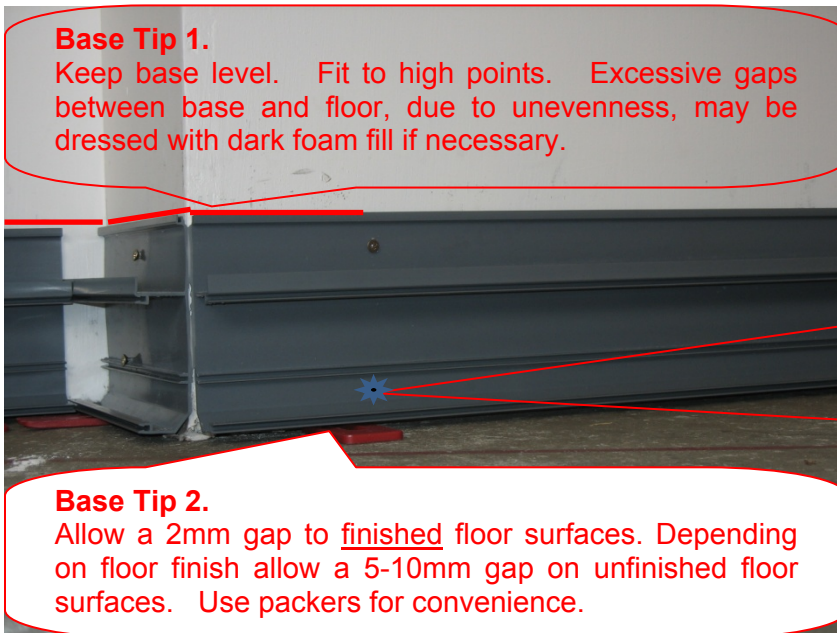
Showing base installed onto concrete walls with the use of a nail gun (Skirtec uses a Hilti GX100 nail gun). Fasteners are shown top and bottom. It is recommended that a nail gun be used where possible, in preference to plugs, to significantly reduce the installation time. Not recommended for the installation of PVC base (PB21 – now redundant).

- Maximise use of Factory Cuts to minimize gaps in 'butt-up' between cover sections and outlet kits. Gaps between base sections are not critical, as long as cable segregation is not compromised and adjoining sections of base are aligned properly to ensure cover up is undertaken properly.

Base Installation

To ensure the cover system fits properly:

- Base sections must be fitted level (see General Tip 4) and ensure adjoining pieces line up evenly. Be aware of uneven floors; often rising into corners and dropping away to low points in the middle.
- The same technique is used for aluminium or PVC base (image below shows installation of PVC base).



- Do not stress base into the wall, pack out if necessary and fasten into high points.
- Columns and corners do not need to be mitre cut. These may be dealt with as outlined further in this document.

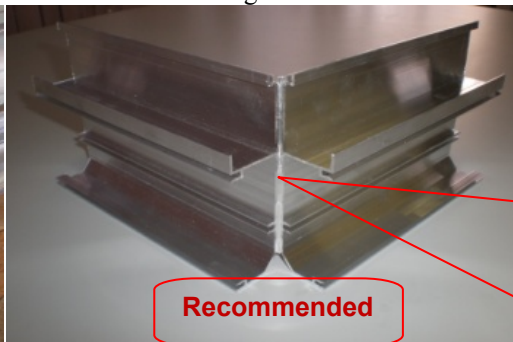
Base Installation (cont)

- Modular corners in the Type 21 product clip into the base section. For external corners, the base section may be mitre cut or 'straight-cut and folded'. The following images show the two approaches for external corners.

External Corner Mitre Cut



External Corner 'Straight-cut/Folded'



Base Tip 4.

For both the aluminium and the PVC base it is recommended that straight-cut and fold be used for all external corners (do not cut through back plate).

- For internal corners, the base may be mitre cut or 'butt-up/overlap' installed.

Once the base section has been installed cable runs may be carried out for power and other services.

- Though not absolutely required Skirtec recommends the bottom channel (the mount-off channel) be used for power services and the top channel be used for data and other services. The mounting box (colour coded blue) is a fully enclosed mounting method thus maintaining segregation integrity.

Cover Up

- First step - installation of internal and external corners. All modular corners must be installed, most conveniently after cabling (not shown below), but prior to installing cover sections.



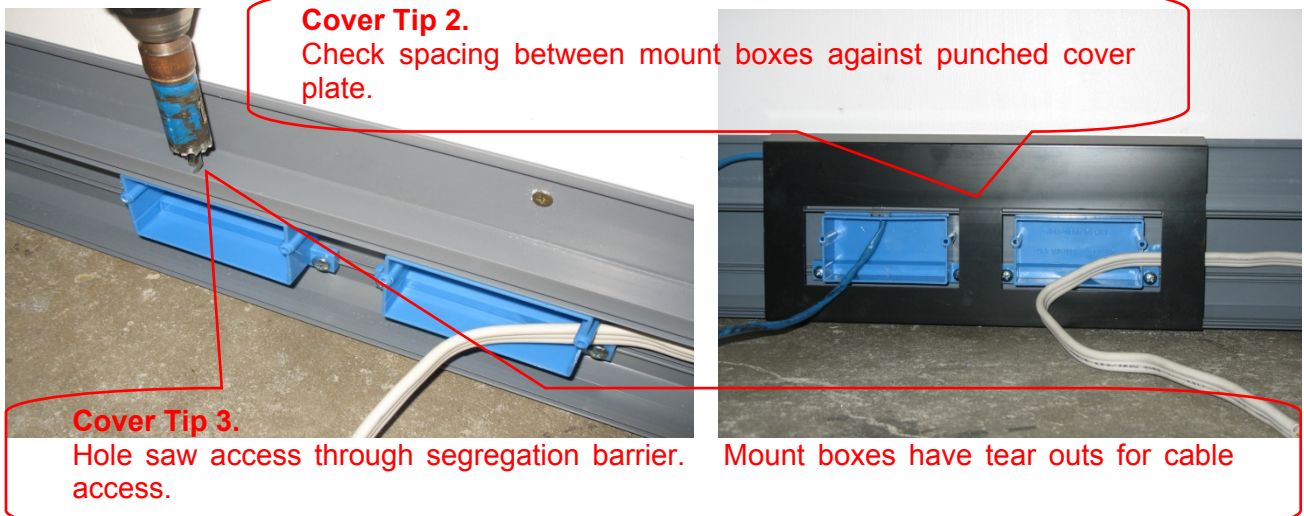
Cover Tip 1.

Where external corners have been 'straight-cut and folded' it is **recommended** that a Corner Screw be inserted into the 'tab free' side of the corner, locating this screw into the bead/clipping channel as shown.

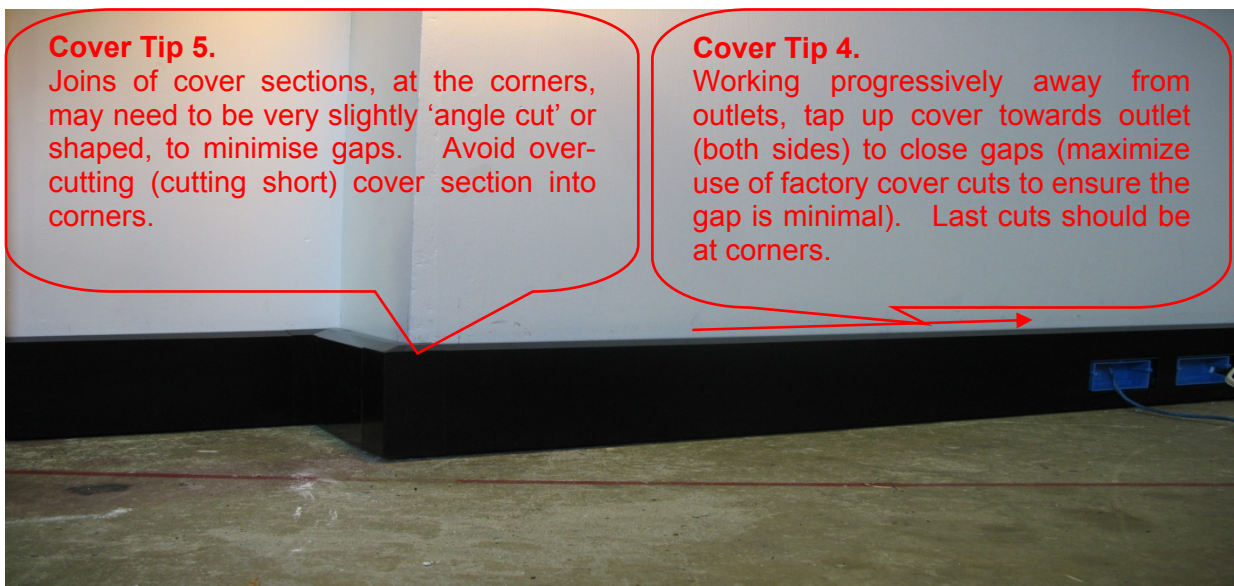
Note - Pre-drill (1.5mm) and insert a Corner Screw (1/4 inch, 4 gauge) into the beading channel (**to avoid cable contact**) and lock in the corner.

Cover Up (cont)

- Second step - installation of outlet mounting kits. The images below shows a 2 plate kit installed.



- Once outlet cover plates have been installed cover up (relying on Skirtec Factory Cuts as much as possible). The PVC 'clip in' cover system requires firm pressure to engage the clipping mechanism (suggest rubber mallet).
- Work from outlets towards corners for final cuts. Use a cutting block for all on-site cover cuts (see General Tip 1 - 3).

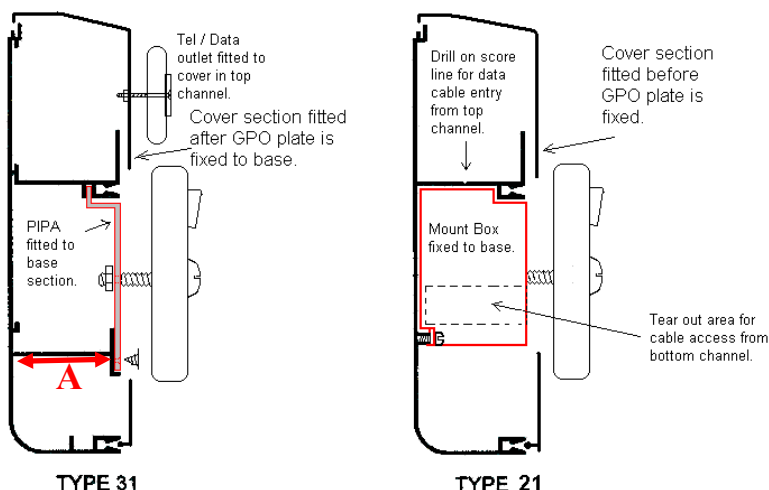


- The installation is now complete and may be cleaned with Spray and Wipe or something similar.

Other Matters

Modification of T31 - The Type 21 product can be used to carry out outlet additions, moves and changes to an older, now redundant, family group product (Type 31).

The Type 31 product is no longer available but the cover system, corners, ends and kits of the Type 21 product can be used (with a slight on-site modification to the Type 31 base to allow for the use of the Type 21 outlet mounting kit).



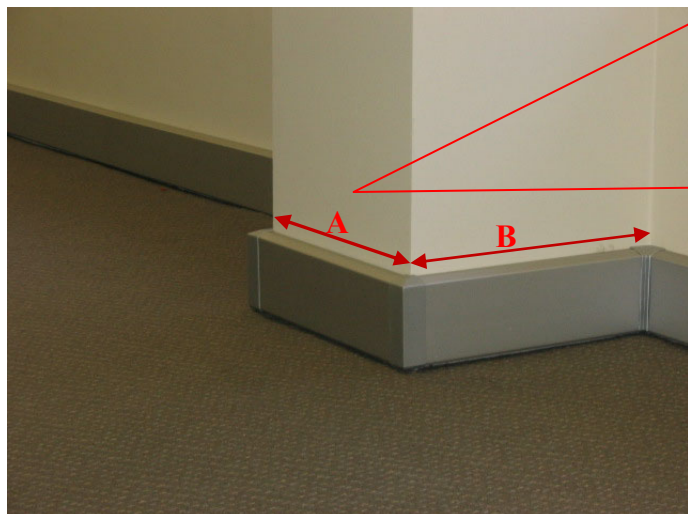
Other Tip 1.

The drawing alongside shows the similarity between the redundant T31 and current T21.

Modification to the shelf marked A, by snipping out the section to allow a T21 mounting box to be installed, will allow a T21 outlet kit to be used. Please note – the mount box will need two self-tapping screws to be driven into the back of the T31 body to hold the mount box in position.

No modification is required for corners or ends.

Columns and Corners

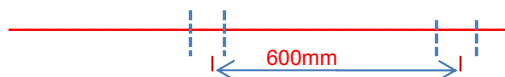


Other Tip 2.

When undertaking a double 'straight-cut and fold' external corner for columns, the measurement of the front of the column (A) is critical to ensure the base folds tightly. Do not cut fully through the base back plate.

Accurately measure the distance across the column (A) and position the saw blade to cut through the centre of each measurement mark (eg. if column is 600 mm).

Saw Blade Cuts



Side measurements (B) are not critical due to the 'butt-up/overlap' join on internal corners.