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## **SKIRTEC TECHNICAL SUPPORT**



### **INSTALLATION TIPS AND TECHNIQUES**

## **ABD, ASC & APD RANGE (Columns, Bollards, Bench Duct and All Purpose Duct products)**

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 1 will assist in the search for specific issues.**

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



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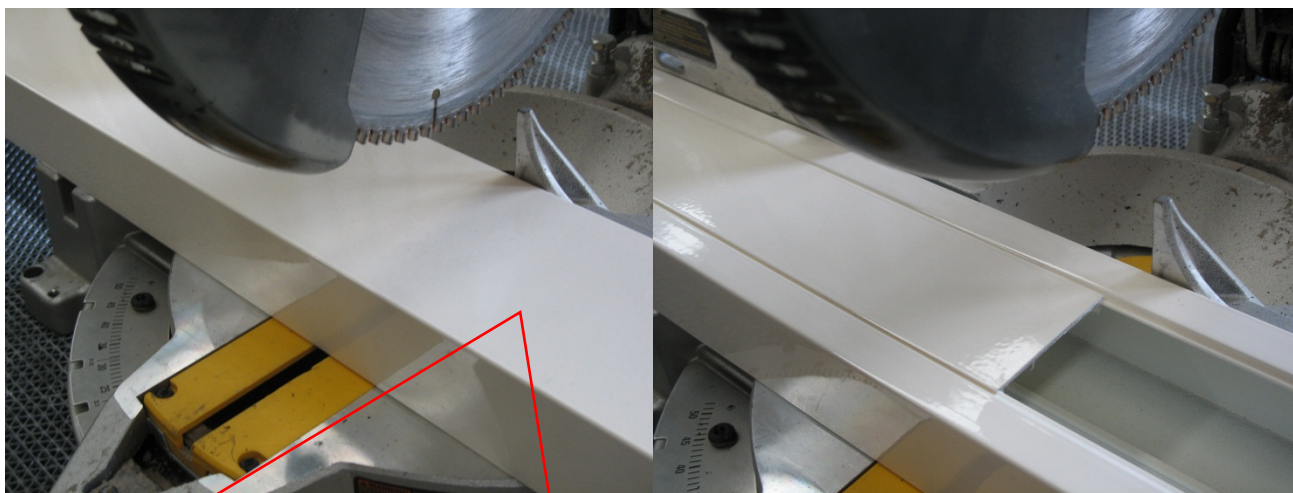
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## General Techniques

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

- Use aluminium saw blade to cut base and cover.



**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.**

If 'saw-flick' occurs (usually blunt blade) cut down slowly first and then draw cut out. Use cutting wax. Skirtec recommends cutting with a short section of cover clipped into the body (right image) or, if necessary, positioning the body with the back surface facing upwards (left image).

- Follow installation instruction provided.

## General Techniques (cont)

- 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.



- 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. Use of a nail gun on concrete walls, in preference to plugs, significantly reduces installation time (Skirtec uses a Hilti GX100). Not recommended with PVC product (APD).
- Maximise use of Factory Cuts to minimize gaps in ‘butt-up’ between base sections.

Shown below is **ABD Series** Product:

Left profile – 100mm (high) x 50mm (deep)

Right profile – 125mm (high) x 35mm (deep)



Shown below is **APD Series** Product:



## Base Installation (ABD & APD)

The ABD and APD products are easy to install with some care required in the following few areas:

- Base sections must be fitted level. Ensure adjoining pieces line up evenly. Securely fasten to the wall surface as covered in General Techniques.
- Rely on factory cuts and, where possible, place 'on-site' cuts into the internal corner.
- Ensure the base section is positioned the correct way round relative to the segregation section. The following images deal with ABD10050.



### Base Tip 1.

For ABD10050 product, ensure the toe on the segregation channel points upwards when the product is in its installed position (as shown in the left image). The right image shows that the segregation section needs to be inserted into the segregation clipping channel and clipped downwards (in direction of arrow).

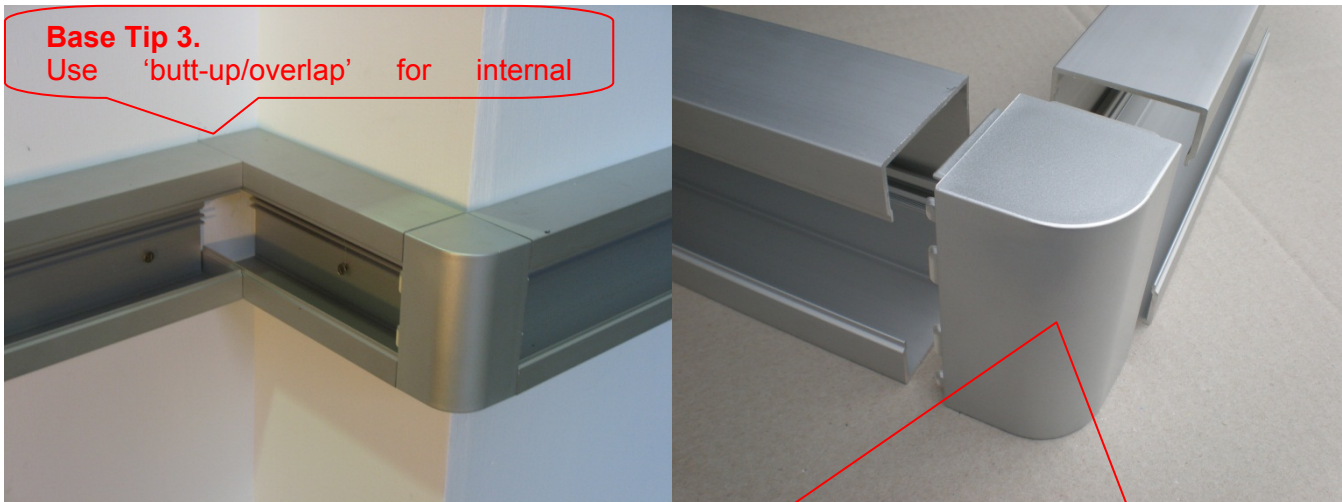
### Base Tip 2.

At the time of inserting the segregation section, apply lubricant to the foot of the segregation section, such as wax or silicon spray, to allow easy clipping motion (particularly important with Clear Anodised product).

- Columns and corners do not need to be mitre cut but must be 'installed' at the same time as the base section is being installed.
- For internal corners, though purpose-made modular corner may be used, it is recommended that the corner be installed as a 'butt-up/overlap' corner.
- For external corners, it is highly recommended that the purpose-made modular corner be used (avoids sharp edges). The following images show the recommended approaches for corners.



## Base Installation (ABD & APD) (cont)



### Base Tip 4.

Use modular corners for all externals to avoid sharp edges. These corners are 'plug in', with resistance lugs, therefore the base needs to be accurately cut to ensure no gap between corner and base edge (don't over-cut base).

Once the base section and corners have been installed cable runs may be carried out for power and other services. However it is recommended that outlet kits (and segregation for ABD10050) be installed before cable up.

- Though not absolutely required Skirtec recommends the top channel be used for power services and the bottom channel be used for data and other services (particularly if there are a large number of data cables). The mounting box (colour coded black for ABD and APD) is a fully enclosed mounting method thus maintaining segregation integrity.

## Cover Up

- It is recommended that the positioning and installation of mounting kits (and installation of segregation for ABD10050) should take place before cable is run.



## Cover Up (cont)

- For ABD12535 (aluminium product) and APD (PVC product) the method of installation of outlet kits is similar.

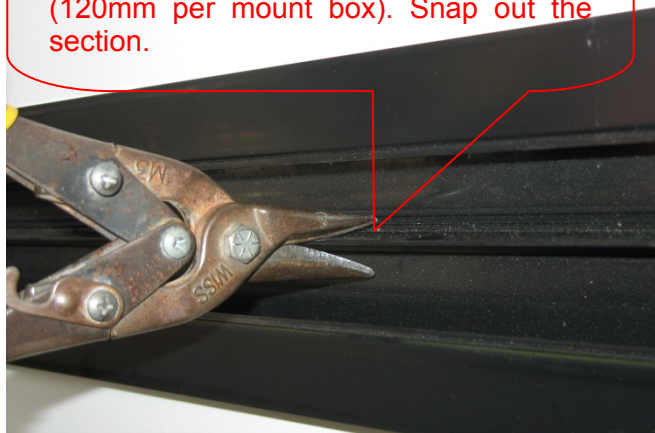
### Cover Tip 2.

For ABD12535 make multiple cuts in the segregation down to the snap score line (allowing 120mm per mount box). Snap out the sections with pliers.



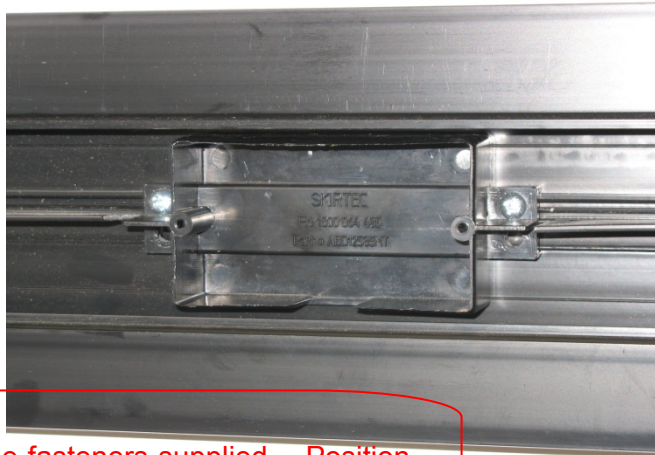
### Cover Tip 3.

For APD12535 make two cuts in the segregation down to the snap score line (120mm per mount box). Snap out the section.



### Cover Tip 4.

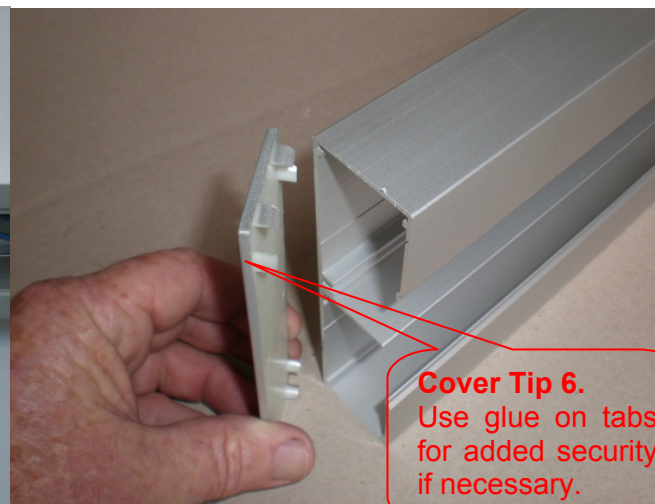
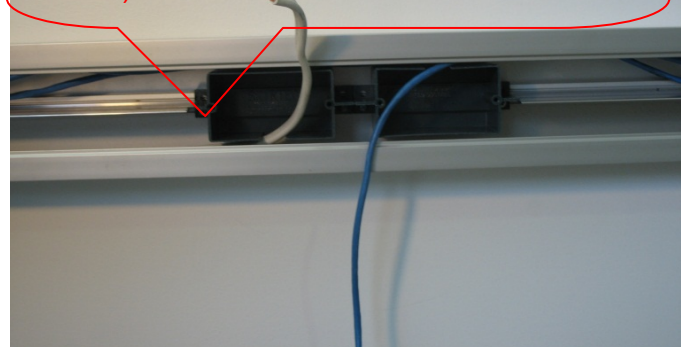
Install the mount box using the fasteners supplied. Position the cable access side as required. Do not over-drive/over fasten.



- At this point the duct body, corners and mount kits have been installed and the system is fully segregated. Now cable up, install ends and cover up.

### Cover Tip 5.

Cut cover to the edge of the mount box screw post (outlet plate sits on top of the cover).



### Cover Tip 6.

Use glue on tabs for added security if necessary.



## Cover Up (cont)

- The installation is now complete and may be cleaned with Spray and Wipe or something similar. These products are excellent in wall, bench and skirting applications, vertically or horizontally.



## ASC Columns & Bollards Installation

- Columns are supplied packaged and pre-setup.

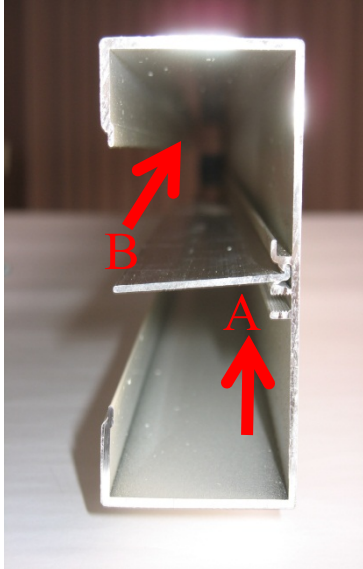


### ASC Tip 1.

When opening the carton follow the yellow label warning and avoid damaging the column. Check that all components are included before starting the installation).

## ASC Columns & Bollards Installation (cont)

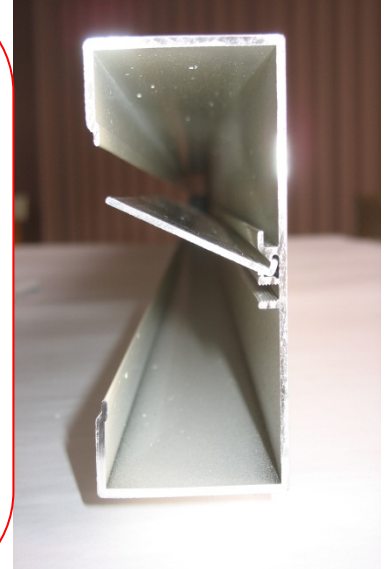
- If desired change the pre-setup lay-out, prior to installing and, if necessary, cut the column to length. Skirtec recommends allowing any additional height to protrude into the ceiling cavity if possible.



### ASC Tip 1.

To move mount kit positions re-locate the segregation. This can be done in two ways:

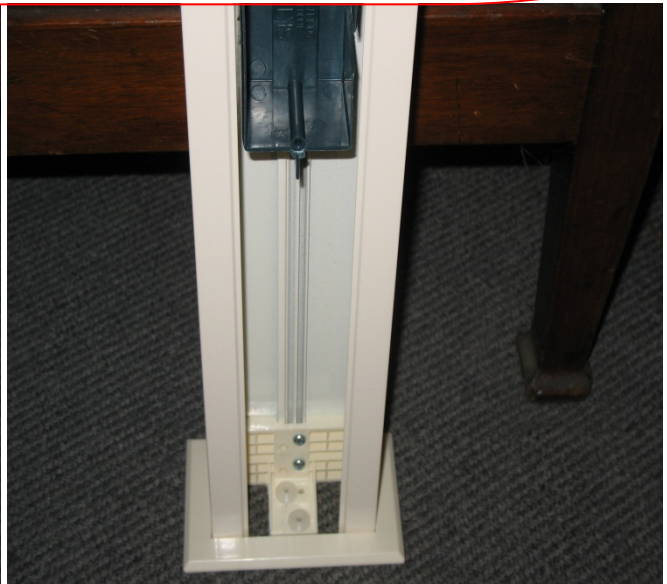
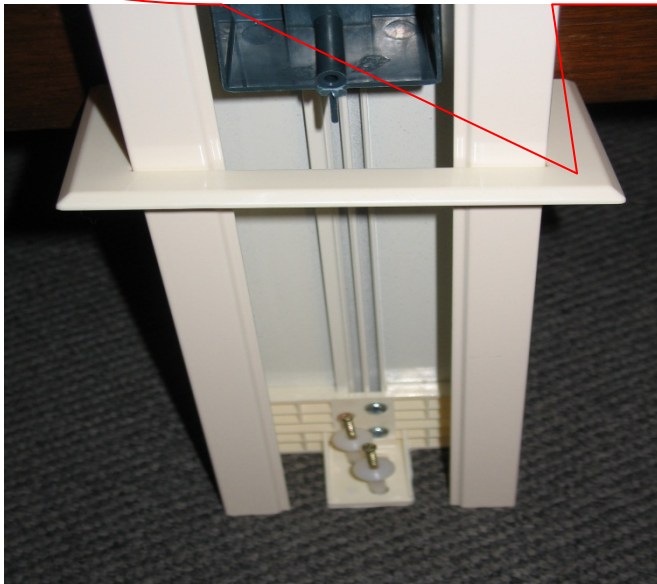
1. Remove the top bracket and slide the segregation out, or
2. Leaving the bracket in place (as with an installed column), apply pressure at pint A towards the toe (see ABD Base Tip 1) and, simultaneously apply pressure from the edge of the segregation in the direction of point B. Some force is required but the segregation will disengage from its channel (as shown left).



- Mount positions can then be arranged as preferred and the segregation can then be cut as necessary and clipped back into position to ensure segregation along the full length.
- Using one of the ceiling/floor trims as a template, mark out the cut-out area, at the selected position, on the ceiling tile and proceed with the installation as per the installation instructions provided.

### ASC Tip 2.

Before the column is placed into position (through the ceiling tile), it is important to remember to slide over the column, both the ceiling cover strip (white with double sided tape in position) and the floor/carpet cover trim (no tape). The ceiling cover strip has the taped side facing up towards the ceiling and the carpet trim (shown) has the finished surface facing up. Once the column is installed into position these can be slid into their final positions (the ceiling cover strip fixed with the double sided tape).





## ASC Columns & Bollards Installation (cont)



### ASC Tip 3.

It is recommended that (if possible) columns be installed as close to an intersection (a panel corner) of the ceiling grid, to make use of the structural strength at that point. The ceiling grid strap supplied should still be used to lock the column into position.

- Skirtec can supply columns up to 12 metres. Lengths longer than 5 metres may be supplied as joined units using an internal heavy duty bracket (shown below). Depending on length and application Skirtec will supply this pre-set up for joining with bolts or rivets.

