



Cable Management – Perimeter and Distribution

**Dado and Skirting • Antibac Blue •  
Compact • Aluminium**

Prestige 3D is a family of three compartment trunking from MK Electric, which satisfies the growing demands of cable management installations, as well as providing greater trunking depth to cater for Cat 5e, 6 and 7 structured cabling. Prestige 3D is rich in unique features offering up to 40% faster installation time compared to Prestige Plus, greater cabling capacity and improved aesthetics.



PRESTIGE 3D DADO AND SKIRTING

PRESTIGE 3D ANTIBAC BLUE

PRESTIGE 3D COMPACT

PRESTIGE 3D ALUMINIUM

## Prestige 3D Dado and Skirting

Prestige 3D Dado and Skirting offers a comprehensive range of Cat 5e, 6 and 7 compliant full 3 compartment trunking with maximum cable capacity.

## Prestige 3D Antibac Blue

Prestige 3D Antibac Blue offers an antibacterial cable management solution for power and data distribution in environments where hygiene is a priority. Prestige 3D Antibac Blue is designed to kill bacteria which can grow on surfaces such as trunking systems. It uses a silver based additive inherent within the PVCu which acts as an effective weapon in fighting harmful bacteria such as MRSA. Independent laboratory tests show kill rate of >99.9% over a 24 hour period for MRSA, and Klebsiella pneumoniae.

## Prestige 3D Compact

Prestige 3D Compact is a Dado system which has a smaller footprint and offers a solution where space is restricted such as above radiators and below window sills. Cables are run in the top and bottom compartments allowing the full depth of the centre compartment for termination to devices. The Compact range is a lower price alternative especially if there are low quantities of cable to manage.

## Prestige 3D Aluminium

New to the Prestige 3D family, this 3 compartment Dado and Skirting satisfies the needs of a Cat 5e, 6 and 7 compliant trunking system. With pre-drilled bases and hinged lids this system is suitable for commercial offices, educational facilities and laboratories.

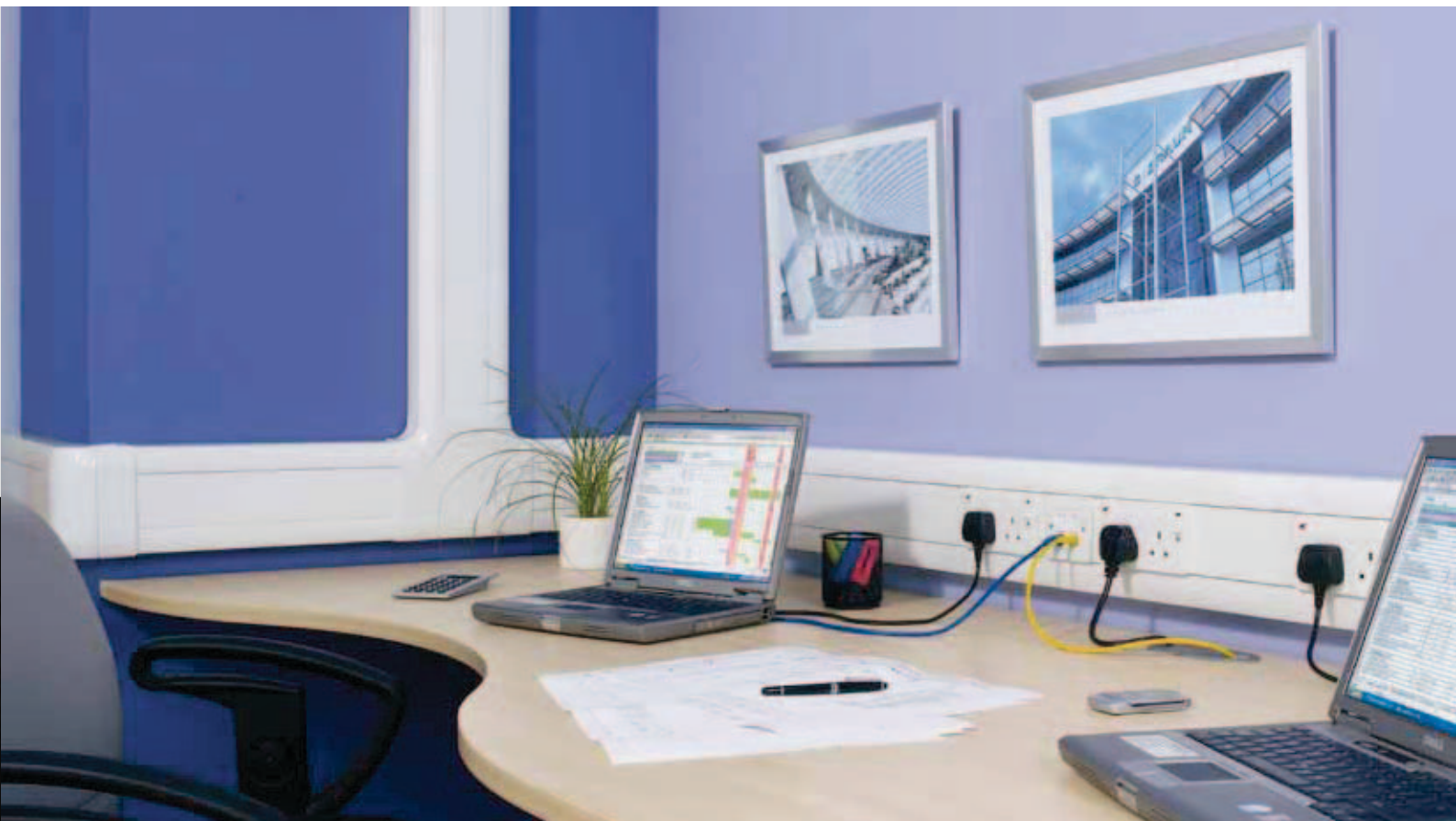
- **Fully Cat 5e, 6 and 7 compliant**
- **Unique design features provide 40%\* faster installation time**
- **Patented Data Sweep maximises cable capacity without the need for bulbous corners**
- **Improved aesthetics with single piece covers**
- **All PVC extrusions manufactured from 90% recycled materials\*\***
- **10 Year guarantee**

\* Independently verified as 40% faster to install than Prestige Plus

\*\* Based on 2008 consumption

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## range introduction

Prestige 3D Dado and Skirting offers a comprehensive range of Cat 5e, 6 and 7 compliant compartment trunking with maximum cable capacity.

Prestige 3D meets both the demands for easier and faster installation while maintaining high aesthetics.

## features and benefits

- **Faster installation – 40% quicker than Prestige Plus**
- **Cat 5e, 6 and 7 compliant flexible Internal and External Corners, moulded Flat Angles and Tees**
- **Unique 'open box' mounting frames combined with divider knockouts to provide unhindered tool-free cable entry**
- **Innovative External Corner Data Sweep allows continuous cable capacity and maintains the minimum trunking depth**
- **Hinged lid to support cables during installation**
- **Pre-punched bases**
- **Curved outer covers that complement MK Logic Plus accessories**
- **All extrusions manufactured from 90% recycled material\***
- **10 Year guarantee**

\* based on 2008 consumption

**END CAPS**

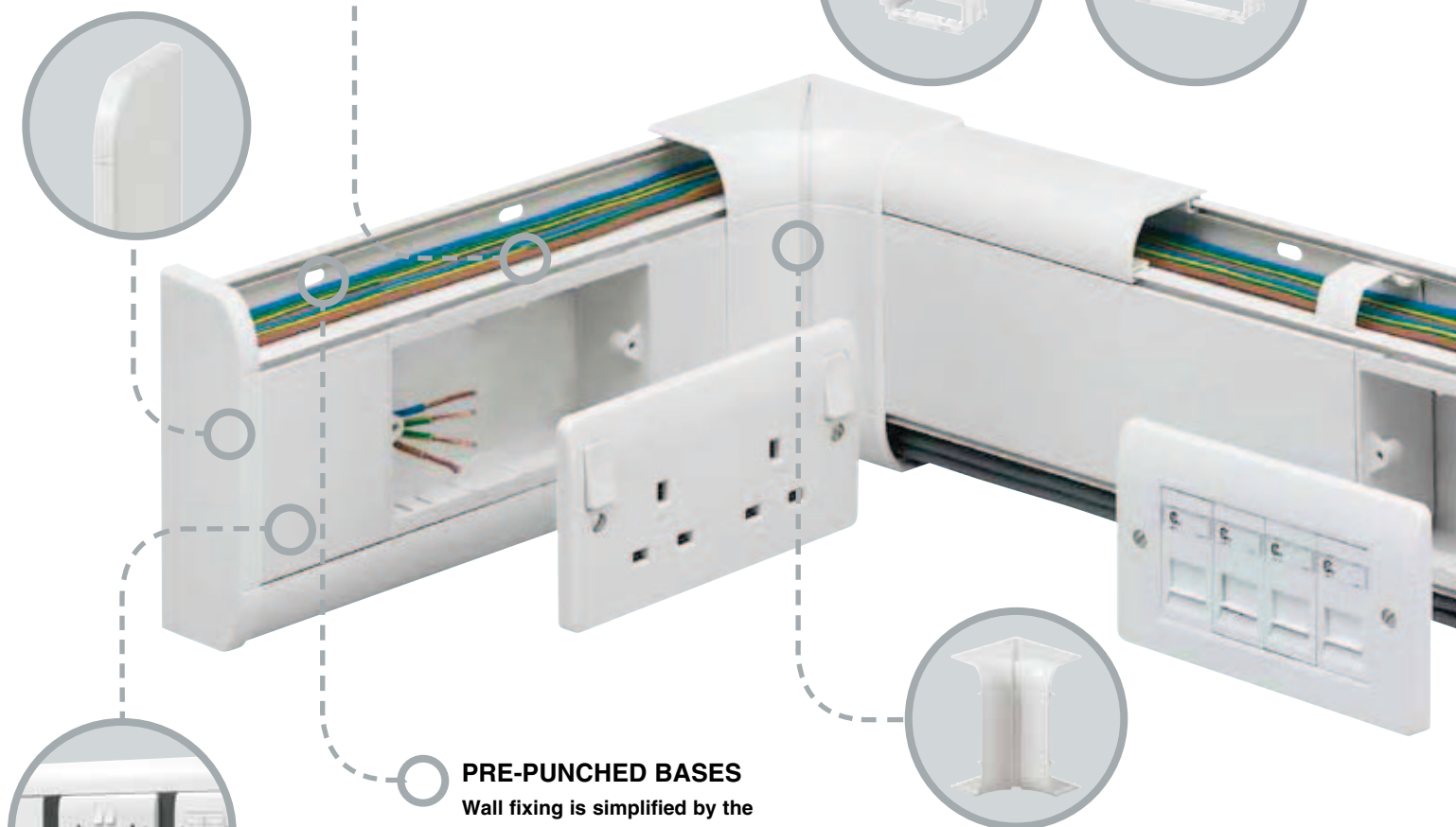
Neatly finishes runs of trunking. (Moulding provides internal location for extra security from optional screw fixing).

**DIVIDER KNOCKOUTS**

Wiring is also made easy with 50 x 21mm knockouts at 100mm intervals along compartment dividers, providing instant access to mounting boxes, with no drilling or cutting.

**BACK BOXES**

The 1 and 2 gang 35mm and 45mm deep back boxes, 3 gang 45mm deep back box and 1 and 2 gang 40mm frames ensure Cat 5e, 6 and 7 compliance and ease of connection to power and data devices. The open top/bottom allows unhindered tool free cable entry, through the trunking compartment divider knockout. The back box can slide to align with appropriate knockout (see technical pages for restrictions on use).

**PRE-PUNCHED BASES**

Wall fixing is simplified by the inclusion of pre-punched oval holes at 100mm intervals, ensures no drilling is required.

**PART M**

Compliance to Part M building regulations can be achieved using Part M flange, charcoal devices or charcoal straight cover.

**SCREW FIXING KIT**

Where higher security is required, e.g. schools, all fitting covers can be secured using the Screw Fixing Kit. The Screw Fixing Kit is self-locating on the styling line of the system and has a cover to hide the screw head.

**INTERNAL CORNER**

Designed to accommodate irregularities in the squareness of the corner with a  $\pm 5$  degrees flexibility range. The centre split gives maximum adjustment. Covers are radiused and compatible with Cat 5e, 6 and 7 data cabling requirements.

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## FLAT TEES AND ANGLES

The ingenuity of the patented tee design allows a variety of cable drop permutations. The tee's bridge can be fitted in two positions increasing the versatility of cable runs whilst maintaining the correct segregation and Cat 5e, 6 and 7 compliance. Screw fixing hole locations have a protective shroud to prevent the chafing of cables. Both the Flat Angle and Tee compartment divider walls are curved (Cat 5e, 6 and 7 compliant) to allow data cables to lay in with no loss of capacity. The covers are one piece and clip securely into place, and the base is also a single moulded item, giving more strength than fabrication. Joint covers are not required where the tee/angle meets the trunking as the moulded covers now overlap the junction.



## ELECTROMAGNETIC INTERFERENCE

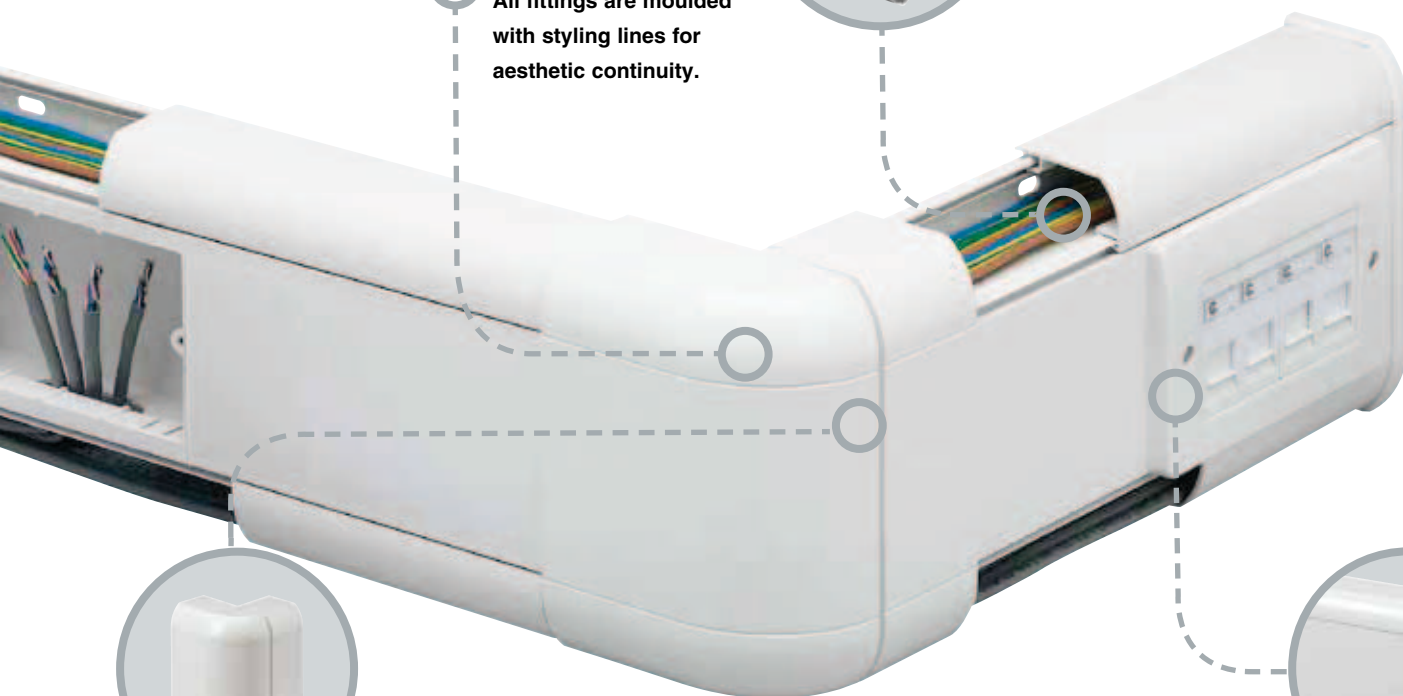
Additional data cable/signal protection is provided by fitting screening divider VP30.

## TRUNKING HINGE LIDS

A two stage location gives a hinge effect, enabling cables to be supported by the trunking cover during the installation. Cover design avoids dust traps and makes cleaning easier, and continues the aesthetics of the trunking.

## STYLING LINES

All fittings are moulded with styling lines for aesthetic continuity.



## EXTERNAL CORNER

External Corners accommodate +/- 5 degree irregularities in the squareness of a corner. Corners come ready assembled to click into place, and offset side splits hide the effect of the split line for aesthetics.

## DATA SWEEP

The unique patented Data Sweep provides Cat 5e, 6 and 7 data cabling compliance, with no loss of capacity and without the need for bulky, protruding corner covers.

## CHOICE OF TWO PROFILES

Available in Dado and Skirting profiles to suit most installations.

Available in white, charcoal and choice of RAL colours\*.

\*Minimum order value. Contact Design Service for details.

Component  
Selector  
Chart

PROFILE LENGTHS

Main  
Carrier

Straight  
Cover

Curved  
Cover

Square  
Cover

Flexible  
Internal  
Corner

3 METRES

6m

3 METRES

30m

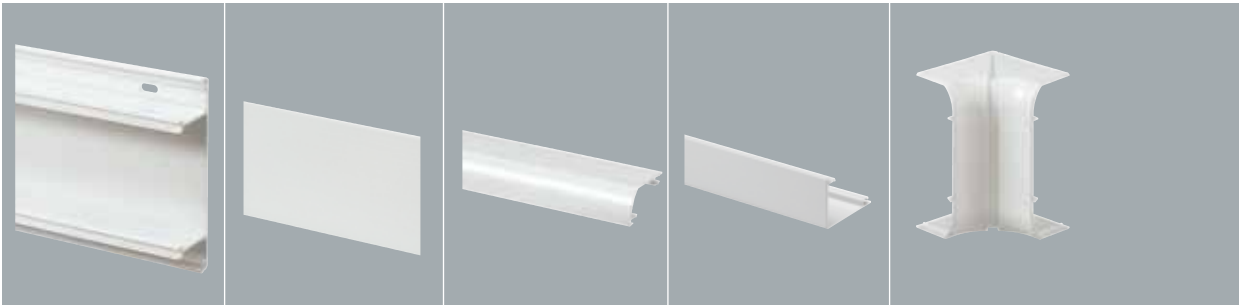
3 METRES

30m

3 METRES

30m

2



VP180 WHI  
VP180 CHA

VP100 WHI  
VP100 CHA\*

VP110 WHI x2  
VP110 CHA x2

VP181 WHI  
VP181 CHA



VP180 WHI  
VP180 CHA

VP100 WHI  
VP100 CHA\*

VP110 WHI  
VP110 CHA

VP115 WHI  
VP115 CHA

VP191 WHI  
VP191 CHA

\* Use Charcoal lid to help achieve compliance to Part M

# Prestige 3D Dado and Skirting

7

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## Flexible External Corner

CONSISTS OF COVER AND DATA SWEEP

2

## End Cap

SUPPLIED AS LEFT AND RIGHT-HAND PAIR

1

## Joint Cover

5

## Flat Angle

CONSISTS OF COVER AND CARRIER

1

## Flat Tee

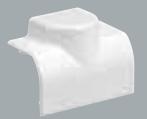
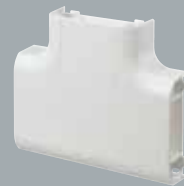
CONSISTS OF COVER AND CARRIER

1

## Adaptor

SUITABLE FOR 20 AND 25MM CONDUIT AND YT2 AND YT4 MINI-TRUNKING

10



**VP182 WHI**  
**VP182 CHA**

**VP183 WHI**  
**VP183 CHA**

**VP184 WHI**  
**VP184 CHA**

**VP185 WHI**  
**VP185 CHA**

**VP187 WHI**  
**VP187 CHA**

**VP188 WHI**  
**VP188 CHA**

**VP192 WHI**  
**VP192 CHA**

**VP193 WHI**  
**VP193 CHA**

**VP194 WHI**  
**VP194 CHA**

**Flat Angle Up**  
**VP195 WHI**  
**VP195 CHA**

**Flat Angle Down**  
**VP196 WHI\*\***  
**VP196 CHA\*\***

**VP197 WHI**  
**VP197 CHA**

**VP198 WHI**  
**VP198 CHA**

\*\* These items are fabricated

## ACCESSORIES

### Socket Spacer



**VP129 WHI** 50  
**VP129 CHA** 50  
 SOCKET SPACER 25MM WIDE  
 Visible width is 9mm after installation.

### Part M Flange and Socket Spacer



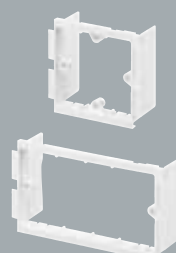
**VX40 CHA** 20  
**VX40 BLU** 20  
 1 GANG MOUNTING FLANGE  
**VX41 CHA** 10  
**VX41 BLU** 10  
 2 GANG SOCKET SPACER  
 Provides colour contrast with wiring device to comply with Part M.  
 Visible width is 25mm after installation.

### Open Back Boxes



**VP121 WHI\*** 25  
**VP121 CHA\*** 25  
**VP124 WHI\*\*** 25  
**VP124 CHA\*\*** 25  
 1 GANG OPEN BACK BOX  
**VP122 WHI\*** 10  
**VP122 CHA\*** 10  
**VP125 WHI\*\*** 10  
**VP125 CHA\*\*** 10  
 2 GANG OPEN BACK BOX  
**VP123 WHI\*** 5  
**VP123 CHA\*** 5  
 3 GANG OPEN BACK BOX  
 \*45mm deep  
 \*\*35mm deep

### Open Mounting Frames\*



**VP131 WHI** 25  
**VP131 CHA** 25  
 1 GANG 40MM OPEN MOUNTING FRAME  
**VP132 WHI** 10  
**VP132 CHA** 10  
 2 GANG 40MM OPEN MOUNTING FRAME  
 1 Gang frame is used in vertical applications.  
 Wings may be removed for greater wiring space.  
 \*Open mounting frames are only suitable where services running in the centre compartment are the same as that of the accessory.

### MCB/RCD Housing



**VP35 WHI** 1  
 MCB/RCD HOUSING WITH COVER (ACCESSORY NOT SUPPLIED)  
 Mounts directly to central compartment of trunking to accept up to 2 x one module products from the Sentry range of MCBs and RCDs (excluding one module RCB0s).

### Cable Retainer



**VP105 WHI** 50  
 CABLE RETAINER

### Screw Fixing Kit



**VTS1000 WHI** 20  
 SCREW FIXING KIT

### Screening Divider



**VP30\*\*** 15m  
 1.5M SCREENING DIVIDER  
**VX31** 10  
 300MM SCREEN CONNECTING CABLE

**VX32** 10  
 500MM SCREEN CONNECTING BRAID  
**VX33** 10  
 500MM SCREEN CONNECTING CABLE

\*\* Cable not included

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Prestige 3D Antibac Blue installed with Logic Plus Part M Switchsocket Outlets

## range introduction

New from MK Electric, Prestige 3D Antibac Blue offers an antibacterial cable management solution for power and data distribution in environments where hygiene is a priority. With ongoing concern over hospital acquired infections such as MRSA, the demand for antibacterial products continues to rise. Prestige 3D Antibac Blue is designed to kill bacteria which can grow on surfaces such as trunking systems. It uses a silver based additive inherent within the PVCu which acts as an effective weapon in fighting harmful bacteria such as MRSA, and Klebsiella pneumoniae.

MK offer a complete antibacterial solution, by complementing Prestige 3D Antibac Blue with Logic Plus wiring devices, the entire installation will meet the requirements of an antibacterial specification. The trunking and wiring devices are both open to contact, therefore the control of the spread of bacteria and infections can only be effective with a complete solution.

MK's Prestige 3D Antibac Blue range will meet the demands of the Healthcare Trusts, Infection Control Departments or Facilities Managers specifying antibacterial products, as well as providing the fastest installation for Contractors, the range has been independently verified as 40% faster than similar competitor systems to install\*.

## features and benefits

- **The only manufacturer to offer a complete antibacterial solution**
- **>99.9% kill rate against MRSA, and Klebsiella pneumoniae**
- **Unique patent pending fluorescence under UV light, providing customer confidence**
- **Fully Cat 5e, 6 and 7 compliant**
- **Patented Data Sweep maximises cable capacity**
- **Screw fixing kit available for installations where higher security is required, e.g. public buildings, hospitals, schools**
- **Part M compliance achievable utilising Logic Plus graphite wiring devices, or the Part M Flange or Socket Spacer**
- **Independently verified as 40% faster to install\***
- **10 Year guarantee**

\* Independently verified as 40% faster to install than Prestige Plus

Reports show 300,000 healthcare associated infections were contracted in the UK in 2008, with an annual investment of £270million in infection control.

- Healthcare associated infections cause 5000 deaths a year, at a cost of £1billion.
- Patients recovering from such infections spend on average 10 extra days in hospital, which costs the NHS three times their original treatment.
- The use of antibacterial products supports the existing infection control initiatives such as hand hygiene and barrier nursing.



PRESTIGE 3D ANTIBAC BLUE INSTALLED WITH MEIGAN SOCKET OUTLETS

## How does Prestige 3D Antibac Blue work?

**Prestige 3D Antibac Blue is an antibacterial 3 compartment power and data trunking system designed to kill bacteria which can grow on surfaces.**

It uses a silver based additive inherent within the PVCu which acts as an effective weapon in fighting bacteria such as MRSA and other harmful bacteria. The silver additive is a bactericide and will therefore kill bacteria instead of just restricting their growth.

As the additive is inherent within the PVCu compound the antibacterial protection runs throughout the products themselves. There is no loss of protection where the trunking lengths are cut on-site or if the trunking surface becomes scuffed or scratched.

The antibacterial additive depends on intimate contact between surfaces of the trunking and the user, so any barriers such as dirt or grime will reduce or negate the antibacterial effect.

Prestige 3D Antibac Blue is not intended to replace standard cleaning regimes. It is an additional protection which can only operate efficiently if the surfaces are kept free of dirt and grime.

The antibacterial additive used in Prestige 3D Antibac Blue is registered with the Environmental Protection Agency (EPA) and compliant with the European Biocidal Products Directive (BPD).

The additive provides effective protection against both gram positive and gram negative bacteria, unlike some other anti-bacterial additives which are only effective against gram positive bacteria.

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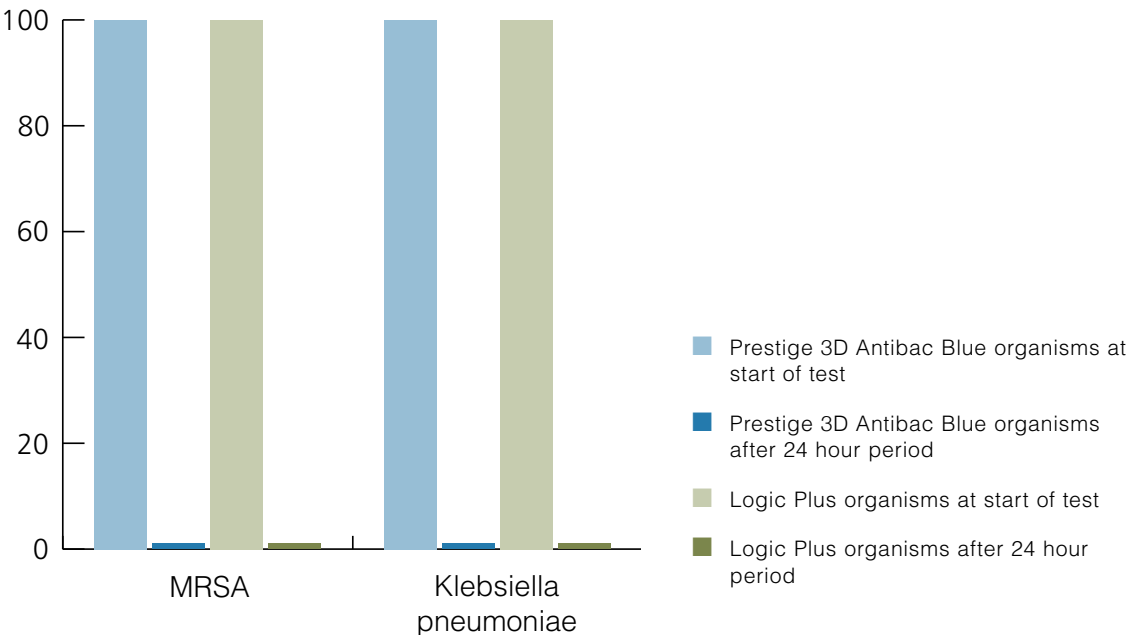
MK Electric have commissioned independent tests to verify the antibacterial properties of Prestige 3D Antibac Blue. The results, collected over a 24 hour period shows results of >99.9% kill rates on the organisms MRSA, and Klebsiella pneumoniae.

MK Electric have also commissioned independent tests to verify the antibacterial properties of Logic Plus. The results, collected over a 24 hour period shows results of 99.9% kill rates on the organism MRSA and 98.9% kill rates on the organism Klebsiella pneumoniae.

PRESTIGE 3D ANTIBAC BLUE			LOGIC PLUS	
	% Organisms at start of test	% Organisms after 24 hour period	% Organisms at start of test	% Organisms after 24 hour period
MRSA	100	<0.1	100	0.1
Klebsiella pneumoniae	100	<0.1	100	1.1



LOGIC PLUS SWITCHSOCKET OUTLET



**END CAPS**

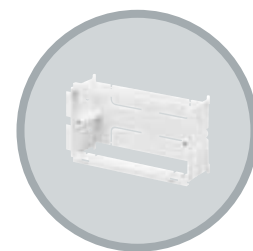
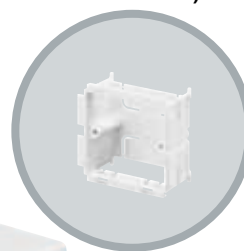
Neatly finishes runs of trunking. (Moulding provides internal location for extra security from optional screw fixing).

**DIVIDER KNOCKOUTS**

Wiring is also made easy with 50 x 21mm knockouts at 100mm intervals along compartment dividers, providing instant access to mounting boxes, with no drilling or cutting.

**BACK BOXES**

The 1 and 2 gang 35mm and 45mm deep back boxes, 3 gang 45mm deep back box and 1 and 2 gang 40mm frames ensure Cat 5e, 6 and 7 compliance and ease of connection to power and data devices. The open top/bottom allows unhindered tool free cable entry, through the trunking compartment divider knockout. The back box can slide to align with appropriate knockout (see technical pages for restrictions on use).

**PRE-PUNCHED BASES**

Wall fixing is simplified by the inclusion of pre-punched oval holes at 100mm intervals, ensures no drilling is required.

**INTERNAL CORNER**

Designed to accommodate irregularities in the squareness of the corner with a +/- 5 degrees flexibility range. The centre split gives maximum adjustment. Covers are radiused and compatible with Cat 5e, 6 and 7 data cabling requirements.

**PART M**

Compliance to Part M building regulations can be achieved using Part M flange or charcoal devices.

**SCREW FIXING KIT**

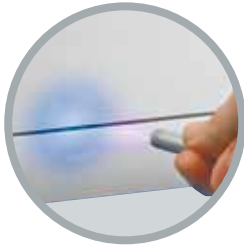
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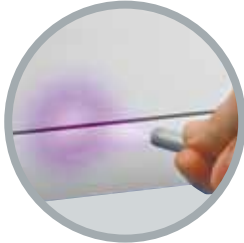
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## UNIQUE FLUORESCENCE

For complete customer confidence, Prestige 3D Antibac Blue features a patent pending fluorescent additive which glows bright blue under a UV light, unlike standard PVCu which glows dull purple.



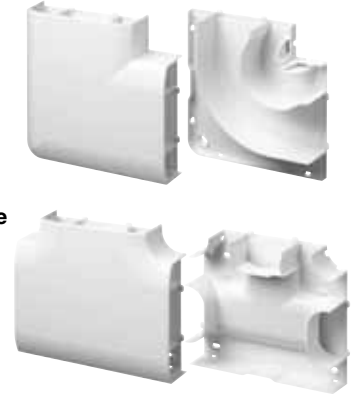
Prestige 3D Antibac Blue



Prestige 3D

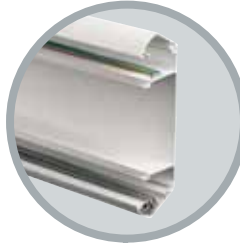
## FLAT TEES AND ANGLES

The ingenuity of the patented tee design allows a variety of cable drop permutations. The tee's bridge can be fitted in two positions increasing the versatility of cable runs whilst maintaining the correct segregation and Cat 5e, 6 and 7 compliance. Screw fixing hole locations have a protective shroud to prevent the chafing of cables. Both the Flat Angle and Tee compartment divider walls are curved (Cat 5e, 6 and 7 compliant) to allow data cables to lay in with no loss of capacity. The covers are one piece and clip securely into place, and the base is also a single moulded item, giving more strength than fabrication. Joint covers are not required where the tee/angle meets the trunking as the moulded covers now overlap the junction.



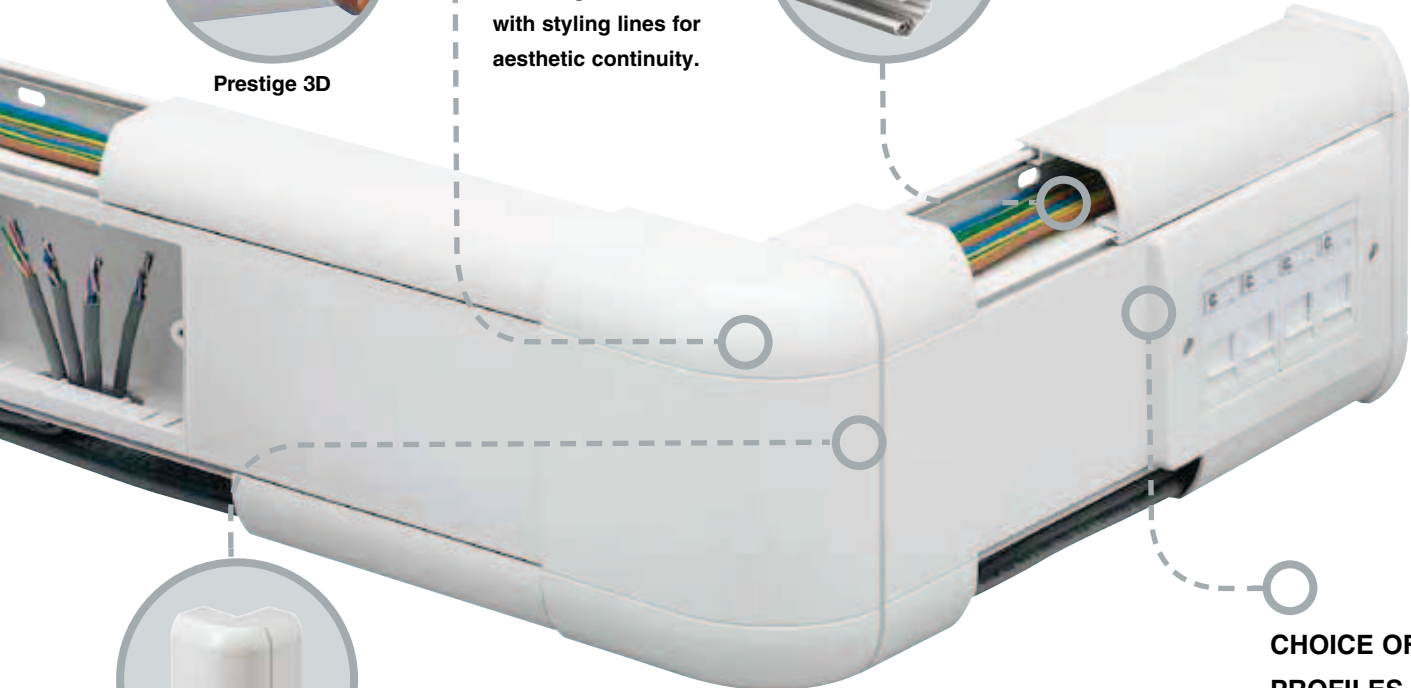
## TRUNKING HINGE LIDS

A two stage location gives a hinge effect, enabling cables to be supported by the trunking cover during the installation. Cover design avoids dust traps and makes cleaning easier, and continues the aesthetics of the trunking.



## STYLING LINES

All fittings are moulded with styling lines for aesthetic continuity.



## CHOICE OF TWO PROFILES

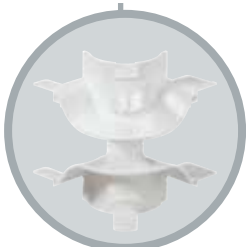
Available in Dado and Skirting profiles to suit most installations.

## ELECTROMAGNETIC INTERFERENCE

Additional data cable/signal protection is provided by fitting screening divider VP30.



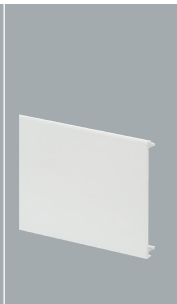

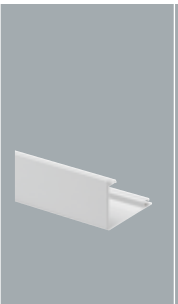




## EXTERNAL CORNER

External Corners accommodate +/- 5 degree irregularities in the squareness of a corner. Corners come ready assembled to click into place, and offset side splits hide the effect of the split line for aesthetics.



## DATA SWEEP

The unique patented Data Sweep provides Cat 5e, 6 and 7 data cabling compliance, with no loss of capacity and without the need for bulky, protruding corner covers.

Component Selector Chart	PROFILE LENGTHS				FITTINGS		
	Main Carrier*	Straight Cover	Curved Cover	Square Cover	Flexible Internal Corner	Flexible External Corner	End Cap
	3 METRES 6m	3 METRES 30m	3 METRES 30m	3 METRES 30m	2	CONSISTS OF COVER AND DATA SWEEP 2	SUPPLIED AS LEFT AND RIGHT-HAND PAIR 1
							
<b>DADO</b> 170 x 57mm	VP180 WHI	VPAB100 WHI	VPAB110 WHI x2		VPAB181 WHI	VPAB182 WHI	VPAB183 WHI
	VP180 WHI	VPAB100 WHI	VPAB110 WHI	VPAB115 WHI	VPAB191 WHI	VPAB192 WHI	VPAB193 WHI
<b>Skirting</b> 170 x 57mm							

\* Carrier components do not require the antibacterial additive as they have no exposure once the installation is complete. As such, the standard main carrier is sufficient, as are standard back boxes, mounting frames and cable retainers. The carrier components of the External Corner, Flat Angle and Flat Tee are also standard PVCu due to no exposure once installation is complete.

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## ACCESSORIES

Joint  
Cover

Flat Angle

Flat Tee

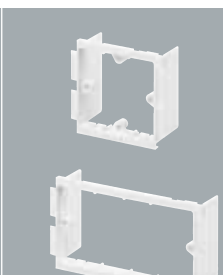
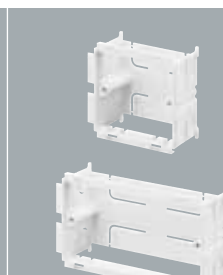
Flange and  
Socket Spacer

Open Back  
Boxes

Open  
Mounting  
Frames\*

5

CONSISTS  
OF COVER  
AND  
CARRIER 1

CONSISTS  
OF COVER  
AND  
CARRIER 1

VPAB184  
WHI

VPAB185  
WHI

VPAB187  
WHI

**VXAB40 CHA\*** 20  
PART M FLANGE FITTED BOTH  
SIDES OF A DEVICE

**VXAB41 CHA\*** 10  
PART M SOCKET SPACER

**VPAB129 WHI\*\*** 50  
SOCKET SPACER

Provides colour contrast with  
wiring device to comply with  
Part M.

\* Visible width is 25mm after  
installation.

\*\* Visible width is 9mm after  
installation.

**VP121 WHI\*** 25  
**VP124 WHI\*\*** 25  
1 GANG OPEN BACK BOX

**VP122 WHI\*** 10  
**VP125 WHI\*\*** 10  
2 GANG OPEN BACK BOX

**VP123 WHI\*** 5  
3 GANG OPEN BACK BOX  
\*45mm deep  
\*\*35mm deep

**VP131 WHI** 25  
1 GANG 40MM OPEN  
MOUNTING FRAME

**VP132 WHI** 10  
2 GANG 40MM OPEN  
MOUNTING FRAME

1 Gang frame is used in  
vertical applications.

Wings may be removed for greater wiring space.

\*Open mounting frames are only suitable where  
services running in the centre compartment are  
the same as that of the accessory.

VPAB194  
WHI

Flat Angle Up  
VPAB195  
WHI

Flat Angle  
Down  
VPAB196  
WHI

VPAB197  
WHI

Cable  
Retainer

Screw  
Fixing Kit

Screening  
Divider

**VP105 WHI**  
50  
CABLE RETAINER

**VTSAB1000 WHI**  
20  
SCREW FIXING KIT

**VP30\*\*** 15m  
1.5M SCREENING  
DIVIDER

**VX31** 10  
300MM SCREEN  
CONNECTING CABLE

**VX32** 10  
500MM SCREEN  
CONNECTING BRAID

**VX33** 10  
500MM SCREEN  
CONNECTING CABLE

\*\*Cable not included



## Glasgow Royal Infirmary Gets A Healthy Dose Of Prestige 3D Antibac Blue

Infection control is a major concern in the healthcare sector. To help reduce the risk of spreading infections, bacteria and more, Glasgow Royal Infirmary's Intensive Care Unit installed more than 55 metres of Prestige 3D Antibac Blue during a recent refurbishment — becoming the first hospital in the UK to improve patient and staff safety through antibacterial cabling.

### COMPLETE SOLUTION

Only MK Electric offers a complete antibacterial solution that includes both wiring devices and cable management, but the single course for every product was just one of the reasons that the Glasgow Royal Infirmary chose Prestige 3D Antibac Blue. The product is also complete in that it offers effective protection against both gram-positive and gram-negative bacteria rather than just one.

### BEYOND HEALTHCARE

Of course, the hospital would not have chosen Prestige 3D Antibac Blue if it wasn't also an outstanding cable management solution above and beyond its health benefits. Like any healthcare facility, Glasgow Royal Infirmary's Intensive Care Unit has a large number of people moving about at any given time. The cable management provided by MK Electric not only ensures proper cabling to all equipment, but also ensures a clean, uncluttered work area for added safety.

For Glasgow Royal Infirmary's Intensive Care Unit, Prestige 3D Antibac Blue is an investment that's sure to have a healthy return.

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## range introduction

Prestige 3D Compact completes the 3D offering with all the 3D benefits of faster installation, Cat 5e, 6 and 7 compliance and improved aesthetics, but in a smaller footprint & ideal for confined locations. The new concept uses the full trunking depth with a sliding open box (frame) principle to ease power and data connections. Prestige 3D Compact trunking is compliant with Cat 5e, 6 and 7 data cable installation requirements, and the depth is more conducive to data accessories.

## features and benefits

- **Faster installation – 40% quicker than Prestige Plus**
- **Cat 5e, 6 and 7 compliant flexible Internal and External Corners, moulded Flat Angles and Tees**
- **Patented unique 'open box' mounting frames combined with divider knockouts to provide unhindered tool-free cable entry**
- **Innovative patented External Corner Data Sweep allows continuous cable capacity and maintains the Compact minimum trunking depth**
- **Patented hinged lid to support cables during installation**
- **Pre-punched bases**
- **Curved outer covers that complement MK Logic Plus accessories**
- **All extrusions manufactured from 90% recycled material\***
- **10 Year guarantee**

\* Based on 2008 consumption.

**END CAPS**

Neatly finishes runs of trunking. Moulding provides internal location for extra security from optional screw fixing.

**DIVIDER KNOCKOUTS**

Wiring is also made easy with 50mm x 21mm knockout at 100mm intervals along compartment dividers, providing instant access to mounting boxes with no drilling or cutting.

**MOUNTING FRAMES**

1 gang and 2 gang 'open box' mounting frames use the full trunking depth allowing ease of connection to power and data devices. The open top/bottom allows unhindered tool free cable entry through the trunking compartment divider knockout. The frame can slide to align with appropriate knockout.

**PRE-PUNCHED BASES**

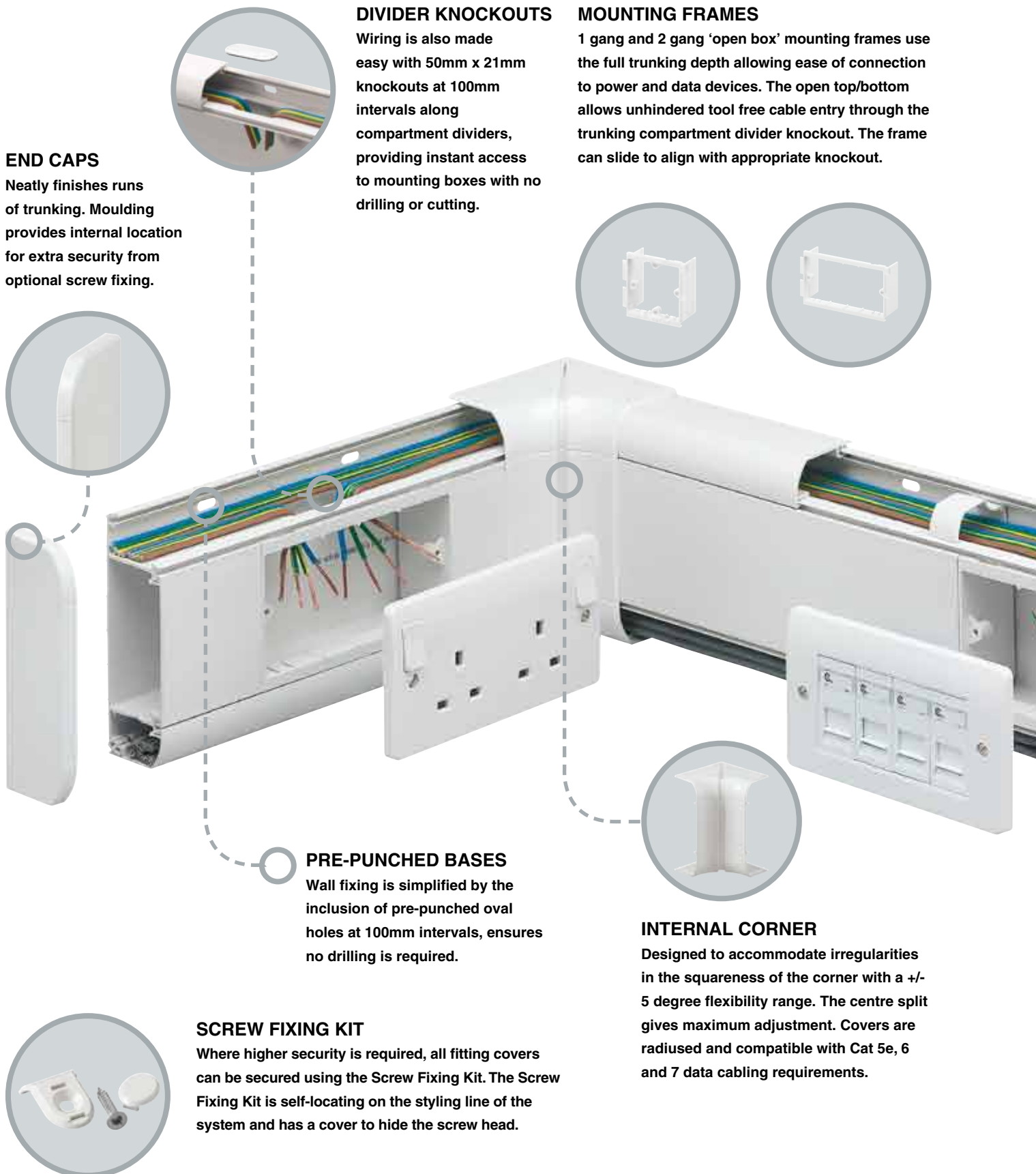
Wall fixing is simplified by the inclusion of pre-punched oval holes at 100mm intervals, ensures no drilling is required.

**SCREW FIXING KIT**

Where higher security is required, all fitting covers can be secured using the Screw Fixing Kit. The Screw Fixing Kit is self-locating on the styling line of the system and has a cover to hide the screw head.

**INTERNAL CORNER**

Designed to accommodate irregularities in the squareness of the corner with a +/- 5 degree flexibility range. The centre split gives maximum adjustment. Covers are radiused and compatible with Cat 5e, 6 and 7 data cabling requirements.



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## FLAT TEES AND ANGLES

The ingenuity of the patented tee design allows a variety of cable drop permutations. The tee's bridge can be fitted in two positions increasing the versatility of cable runs whilst maintaining the correct separation and Cat 5e, 6 and 7 compatibility. Screw fixing hole locations have a protective shroud to prevent the chafing of cables. Both the Flat Angle and Tee compartment divider walls are curved (Cat 5e, 6 and 7 compliant) to allow data cables to lay in with no loss of capacity. The covers are one piece and clip securely into place, bases are also single mouldings giving more strength than an equivalent fabrication. Joint covers are not required where the tee/angle meets the trunking as the moulded covers now overlap the junction.

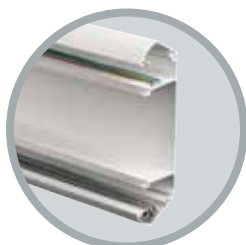


## ELECTROMAGNETIC INTERFERENCE

Additional data cable/signal protection is provided by fitting screening divider VCT30.

## STYLING LINES

All fittings are moulded with styling lines for aesthetic continuity.



## TRUNKING HINGED LIDS

A patented two stage location gives a hinge effect, enabling cables to be supported by the trunking cover during the installation. Cover design avoids dust traps and makes cleaning easier and continues the aesthetics of the trunking.



## EXTERNAL CORNER

External Corners accommodate +/- 5 degree irregularities in the squareness of a corner. Corners come ready assembled to click into place and offset side split hides the effect of the split line for aesthetics.

## DATA SWEEP

The unique patented Data Sweep provides Cat 5e, 6 and 7 data cabling compliance, with no loss of capacity and without the need for bulky protruding corner covers.



## CHOICE OF TWO PROFILES

140 x 45mm and 160 x 45mm choice of profile to suit more confined locations and installation needs around the wall and below the window.



### Component Selector Chart

#### PROFILE LENGTHS

Main Carrier

Extension  
CarrierStraight  
CoverCurved  
CoverExtension  
Cover

3 METRES

6m

3 METRES

15m

3 METRES

30m

3 METRES

30m

3 METRES

15m



**DADO**  
140 x 45mm

VCT140 WHI

VCT100 WHI

VCT110 WHI X2



**Extended Dado**  
160 x 45mm

VCT140 WHI

VCT160 WHI

VCT100 WHI

VCT110 WHI

VCT120 WHI

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## FITTINGS

Flexible  
Internal  
Corner

Flexible  
External  
Corner

End Cap

Joint Cover

Flat Angle  
Up

Flat Angle  
Down

Flat Tee  
Up

CONSISTS  
OF COVER  
AND DATA  
SWEEP

SUPPLIED  
AS PAIR OF  
LEFT AND  
RIGHT-HAND  
END CAPS

CONSISTS  
OF COVER  
AND  
CARRIER

CONSISTS  
OF COVER  
AND  
CARRIER

CONSISTS  
OF COVER  
AND  
CARRIER

2

2

2

5

2

2

1



VCT141 WHI

VCT142 WHI

VCT143 WHI

VCT144 WHI

VCT145 WHI

VCT145 WHI

VCT147 WHI  
UP/DOWN

VCT161 WHI

VCT162 WHI

VCT163 WHI  
(2X L/R PAIRS)

VCT164 WHI

VCT165 WHI

VCT166 WHI

VCT167 WHI

## ACCESSORIES

## Socket Spacer


**VCT25 WHI**  
SOCKET SPACER

Visible width is 9mm after installation.

## Part M Flange and Socket Spacer

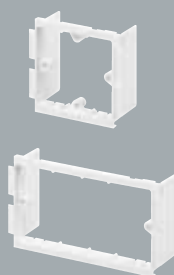

**VX40 CHA**  
**VX40 BLU**  
PART M FLANGE FITTED  
BOTH SIDES OF A DEVICE

**VX41 CHA**  
**VX41 BLU**  
PART M SOCKET SPACER

Provides colour contrast with wiring device to comply with Part M.

Visible width is 25mm after installation.

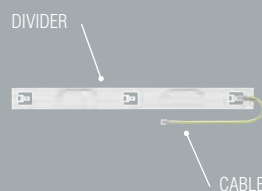
## Open Mounting Frames


**VCT121 WHI**  
1 GANG 40MM  
OPEN MOUNTING FRAME

**VCT122 WHI**  
2 GANG 40MM  
OPEN MOUNTING FRAME

Wings may be removed for increased wiring space.

## Screening Divider


**VCT30\***  
1.5M SCREENING DIVIDER

**VX31**  
300MM SCREEN CONNECTING  
CABLE

**VX32**  
500MM SCREEN CONNECTING  
BRAID

**VX33**  
500MM SCREEN CONNECTING  
CABLE

\* Cable not included

## Adaptors

SUITABLE FOR 20  
AND 25MM CONDUIT  
AND YT2 AND YT4  
MINI-TRUNKING.  
CONSISTS OF  
COVER AND CENTRE  
COMPARTMENT  
CABLE BRIDGE


**VCT148 WHI**  
FOR USE WITH COVER VCT110 WHI

**VCT168 WHI**  
FOR USE WITH COVER VCT120 WHI  
EXTENSION COVER

## Cable Retainer


**VCT105 WHI**  
CABLE RETAINER

## Screw Fixing Kit


**VTS1000 WHI**  
SCREW FIXING KIT

## MCB/RCD Housing


**VCT35 WHI**  
MCB/RCD HOUSING WITH COVER  
(ACCESSORY NOT SUPPLIED)

Mounts directly to central compartment of trunking to accept up to 2 x one module products from the Sentry range of MCBs and RCDs (excluding one module RCBs).

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## range introduction

New to the Prestige 3D family, this 3 compartment Dado and Skirting Trunking satisfies the needs of a Cat 5e, 6 and 7 compliant trunking system. With pre-drilled bases and hinged lids this system is suitable for commercial offices, educational facilities and laboratories.

Manufactured from precision extruded aluminium, the choice of 2 profiles includes all of the adaptability and suitability that are associated with the Prestige 3D family.

## features and benefits

- **Choice of 2 profiles - Dado and skirting**
- **Available in natural anodised aluminium or powder coated white**
- **Fittings available in both PVC and Aluminium**
- **Fully Cat 5e, 6 and 7 compliant**
- **Pre-punched bases**
- **Hinged lid to support cable during installation**
- **Unique 'open box' mounting frames combined with divider knockouts to provide unhindered tool-free cable entry**
- **10 Year guarantee**

**END CAPS**

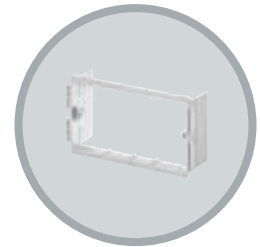
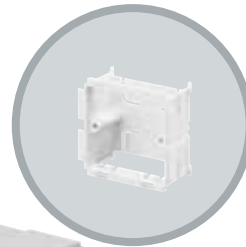
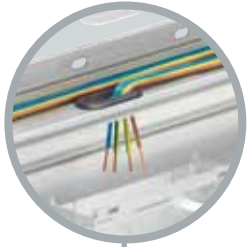
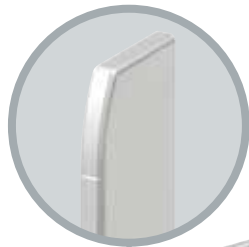
Neatly finish runs of trunking.

**DIVIDER KNOCKOUTS**

Wiring is also made easy with 50mm x 21mm knockouts at 100mm intervals along compartment dividers, providing instant access to mounting boxes with no drilling or cutting. Grommets can be used to protect the cables when running through a knockout.

**MOUNTING FRAMES**

The 1 and 2 gang 35mm and 45mm deep back boxes, 3 gang 45mm deep back box and 1 and 2 gang 40mm frames ensure Cat 5e, 6 and 7 compliance and ease of connection to power and data devices. The open top/bottom allows unhindered tool free cable entry, through the trunking compartment divider knockout. The back box can slide to align with appropriate knockout (see technical pages for restrictions on use).

**PRE-PUNCHED BASES**

Wall fixing is simplified by the inclusion of pre-punched oval holes at 100mm intervals, ensures no drilling is required.

**INTERNAL CORNER**

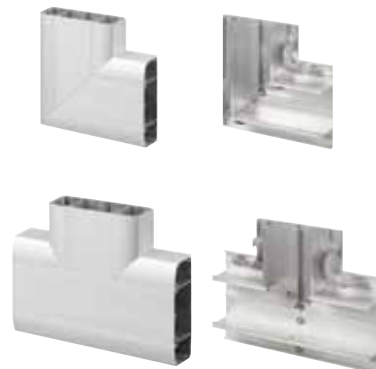
Aluminium internal corners have pre-fitted radius inserts which provide bend radii suitable for Cat 5e, 6 and 7 cabling.

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## FLAT TEES AND ANGLES

These enable the trunking configuration to follow the contours of the installation in a vertical plane. In accordance with the demands of data cable installation, Cat 5e, 6 and 7 Flat Angles and Tees have been factory fitted with 32mm radius inserts.



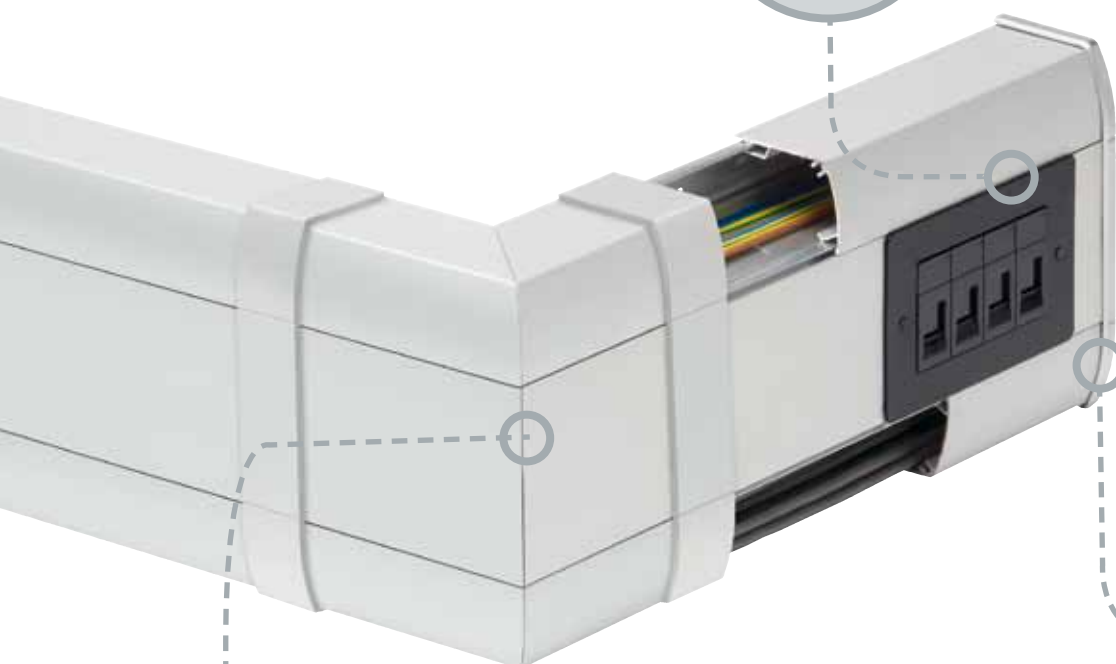
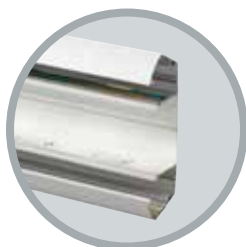
## CHOICE OF TWO COLOURS

### ALUMINIUM AND WHITE

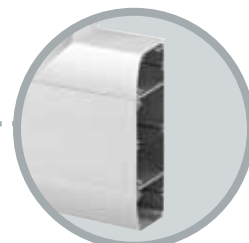


## TRUNKING HINGED LIDS

A patented two stage location gives a hinge effect, enabling cables to be supported by the trunking cover during the installation. Cover design avoids dust traps and makes cleaning easier and continues the aesthetics of the trunking.



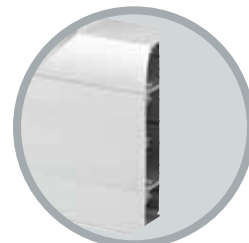
## DADO



## CHOICE OF TWO PROFILES

Available in Dado and Skirting profiles to suit most installations. Available in Aluminium, white and choice of RAL colours.

## SKIRTING



## EXTERNAL CORNER

External corners include 32mm radius inserts to manage data cables and eliminate potential cable damage.



## Component Selector Chart

Components are supplied individually for each of the main trunking assemblies.

The Component Selector Chart lists each component required to make up a length of main trunking.

### COLOURS:

Natural Anodised Aluminium (ALM), White (ALMW), PVC White (WHI), or Painted PVC Grey (GRY)

**Customised colours are available in a choice of over 180 RAL colours. Contact our technical hotline +44 (0)1268 563720**

### Main Carrier

Base Earth Connectors (VP220) are required to electrically join lengths

**3 METRE LENGTHS**

**6m**



### Straight Cover

**3 METRE LENGTHS**

**30m**



### Curved Cover

**3 METRE LENGTHS**

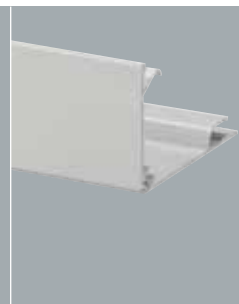
**30m**



### Square Cover

**3 METRE LENGTHS**

**30m**



### DADO 170 X 57mm



**VP180 ALM**

**VP100 ALM**

**VP110 ALM**

**VP100 ALMW**

**VP110 ALMW**

### SKIRTING 170 X 57mm



**VP180 ALM**

**VP100 ALM**

**VP110 ALM**

**VP115 ALM**

**VP100 ALMW**

**VP110 ALMW**

**VP115 ALMW**

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## FITTINGS

End Caps  
Assembly

SUPPLIED AS  
SET  
OF RIGHT AND  
LEFT HAND  
PAIRS

1

Internal  
Corner  
Assembly

2

External  
Corner  
Assembly

CONSISTS OF  
COVER AND  
CARRIER

2

Flat Tee  
Up

CONSISTS OF  
COVER AND  
CARRIER

1

Flat Angle  
Up

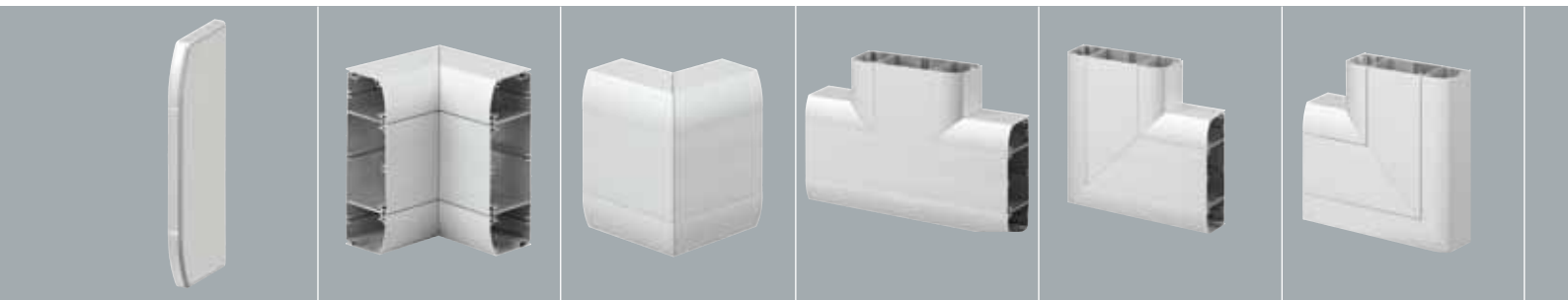
CONSISTS OF  
COVER AND  
CARRIER

1

Flat Angle  
Down

CONSISTS OF  
COVER AND  
CARRIER

1



VP202 ALM

VP200 ALM

VP201 ALM

VP205 ALM

VP204 ALM

VP202 GRY

VP181 GRY\*

VP182 GRY\*

VP187 GRY

VP185 GRY

VP202 ALMW

VP200 ALMW

VP201 ALMW

VP205 ALMW

VP204 ALMW

VP202 WHI

VP181 WHI\*

VP182 WHI\*

VP187 WHI

VP185 WHI

VP212 ALM

VP210 ALM

VP211 ALM

VP216 ALM

VP214 ALM

VP215 ALM

VP212 GRY

VP191 GRY\*

VP192 GRY\*

VP197 GRY

VP195 GRY

VP212 ALMW

VP210 ALMW

VP211 ALMW

VP216 ALMW

VP214 ALMW

VP215 ALMW

VP212 WHI

VP191 WHI\*

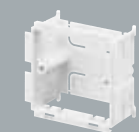
VP192 WHI\*

VP197 WHI

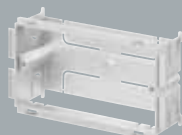
VP195 WHI

\* PVC Flexible Corners

## Open Back Boxes



VP121 WHI

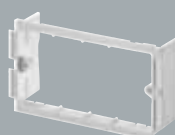


VP122 GRY

## Open Mounting Frames\*



VP131 WHI



VP132 GRY

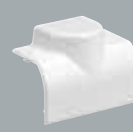
## MCB/RCD Housing



VP35 WHI

## Mini Trunking Adaptors

SUITABLE FOR  
20 AND 25MM  
CONDUIT AND  
YT2 AND YT4  
MINI-TRUNKING



VP189 WHI



VP189 GRY

## Accessories



VP129 ALM



VP217



VP218



VP220

<b>VP121 WHI*</b>	<b>25</b>
<b>VP121 GRY*</b>	<b>25</b>
<b>VP124 WHI**</b>	<b>25</b>
<b>VP124 GRY**</b>	<b>25</b>
1 GANG OPEN BACK BOX	
<b>VP122 WHI*</b>	<b>10</b>
<b>VP122 GRY*</b>	<b>10</b>
<b>VP125 WHI**</b>	<b>10</b>
<b>VP125 GRY**</b>	<b>10</b>
2 GANG OPEN BACK BOX	
<b>VP123 WHI*</b>	<b>5</b>
<b>VP123 GRY*</b>	<b>5</b>
3 GANG OPEN BACK BOX	

\*45mm deep  
\*\*35mm deep

<b>VP131 WHI</b>	<b>25</b>
<b>VP131 GRY</b>	<b>25</b>
1 GANG 40MM OPEN MOUNTING FRAME	
<b>VP132 WHI</b>	<b>10</b>
<b>VP132 GRY</b>	<b>10</b>
2 GANG 40MM OPEN MOUNTING FRAME	

1 Gang frame is used in vertical applications.

Wings may be removed for greater wiring space.

\*Open mounting frames are only suitable where services running in the centre compartment are the same as that of the accessory.

Material: PVCu

<b>VP35 WHI</b>	<b>1</b>
MCB/RCD HOUSING WITH COVER (ACCESSORY NOT SUPPLIED)	

Mounts directly to central compartment of trunking to accept up to 2 x one module products from the Sentry range of MCBs and RCDs (excluding one module RCBOs).

<b>VP189 WHI</b>	<b>10</b>
<b>VP189 GRY</b>	<b>10</b>
SUITABLE FOR 20 AND 25MM CONDUIT AND YT2 AND YT4 MINI TRUNKING	

<b>VP129 ALM</b>	<b>50</b>
<b>VP129 ALMW</b>	<b>50</b>
<b>VP217</b>	<b>20</b>
GROMMET	
<b>VP218</b>	<b>1</b>
EARTH KIT	
<b>VP219</b>	<b>1</b>
EARTH KIT FOR FLAT ANGLE AND FLAT TEE	
<b>VP220</b>	<b>20</b>
BASE CARRIER EARTH CONNECTOR	

1 pack of VP218 and VP219 contains 20 cable kits

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## Features and Benefits Comparison Chart



	PRESTIGE 3D DADO AND SKIRTING	PRESTIGE 3D ANTIBAC BLUE	PRESTIGE 3D COMPACT	PRESTIGE 3D ALUMINIUM
Hinged Lid	✓	✓	✓	✓
Divider Knockouts	✓	✓	✓	✓
Pre-punched Base	✓	✓	✓	✓
Flexible Internal and External Corners*	✓	✓	✓	O
One piece Tees and Angles*	✓	✓	✓	O
Cat 5e	✓	✓	✓	✓
Cat 6	✓	✓	✓	✓
Cat 7	✓	✓	✓	✓
Open Mounting Back Boxes	✓	✓	✓	✓
UV Fluorescent Identifier	✗	✓	✗	✗
Dado and Skirting Profile	✓	✓	✗	✓
Screw Fixing Kit*	✓	✓	✓	✗
Choice of two standard colours	✓	✗	✗	✓
10 year Guarantee	✓	✓	✓	✓

\* PVC Only

O = Option

## Data Trunking System

### Standards and approvals

The Prestige 3D System is manufactured in accordance with the requirements of BS EN 50085-1: 2005 and BS 4662: 2006. Copies of test certificates are available upon request. The system complies with all the relevant requirements of BS 7671: 2008. MK has been awarded ISO 9002 accreditation.

### Features

- Greater trunking depth, increased data and power cable capacity, accepts 45mm deep back boxes
- Patented Cat 5e, 6 and 7 compliant Data Sweep, with no loss of capacity and without the need for bulbous, protruding corner covers
- Cat 5e, 6 and 7 compliant moulded flexible Internal and External Corners, moulded Flat Angles and Tees
- Divider Knockouts, making wiring easier and faster with no drilling or cutting
- Patented two stage Hinge Lids enables cables to be supported by the trunking cover during installation, and makes retro-installation of additional cables more simple
- All extrusions manufactured from 90% recycled material\*

### Prestige Antibac Blue

New from MK, an antibacterial cable management solution for power and data distribution in environments where hygiene is a priority.

### Prestige Compact

A Dado system which has a smaller footprint and offers a solution for confined locations, such as between radiators and window sills.



### Description

Prestige 3D is the new three compartment dado, skirting and compact trunking from MK that satisfies the growing data demands of cable management installations. As well as providing greater depth for larger cable capacity, Prestige 3D is rich in new features, offering installation benefits and improved cable management. Prestige 3D is Cat 5e, 6 and 7 compliant, with the new Data Sweep, Flat Angles and Tees, all allowing continuous cable capacity.

### Technical specification

#### CE marking

All relevant MK products in this brochure are CE marked, confirmation that they meet the EMC and LV directives.

#### Manufacture

All trunking components are manufactured from PVCu.

#### Appearance

Prestige 3D is manufactured in white. The trunking surface can be painted, if required, after installation. Antibac Blue must not be painted or otherwise coated.

#### Performance

Impact	Medium
Minimum Storage Temperature	-25°C
Minimum Installation Temperature	-5°C
Maximum Application Temperature	+60°C

#### Fire performance

The PVCu materials used in the manufacture of MK products are non-flame propagating in accordance with BS EN 50085-1: 2005.

Extrusion material has achieved classification 1Y in accordance with BS 476-7. Moulding material has achieved 650°C glow wire rating in accordance with BS EN 60695-2-11: 2001.

#### Thermal properties

Prestige 3D trunking is designed to accommodate local thermal expansion. Fitting instructions explain the procedure required to deal with the differential movement at the interface with the building fabric.

Linear Expansion: 4mm over every 3000mm with a temperature rise of 25°C.

#### Chemical resistance

The PVCu materials used are non-corrosive and not affected by seawater. It has excellent resistance to mineral acids, alkalis and detergents, good resistance to alcohols, but is liable to attack from solvents such as ketones, aromatics and hydrocarbons.

#### Electrical

Prestige 3D trunking is non-conductive.

Dielectric strength	40 kV/mm in DBP
	17 kV/mm in tx oil
Resistivity	1014 Ω cm

#### Biological

Prestige 3D trunking is resistant to vermin and termites.

#### Workability

Prestige 3D trunking is lightweight and can readily be cut and drilled to suit installation needs with hand tools.

#### Durability

Prestige 3D trunking is stable and will maintain its performance characteristics in accordance with the terms and conditions described above.

#### Maintenance

Clip-on covers with optional screw fix and interchangeable accessories provide continuous accessibility for rewiring, extensions and modifications to an installation. Covers and accessories can be cleaned with water and household detergent. The surface can be decorated with commercial paints if required.

\* Based on 2008 consumption

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## Data Trunking System

### Dimensions (mm)

#### Profiles

Compartment CSA mm<sup>2</sup>

1 = 1763

2 = 3828

3 = 1952

#### Assembly

Dado = 1.58 kg/m

Skirting = 1.60 kg/m

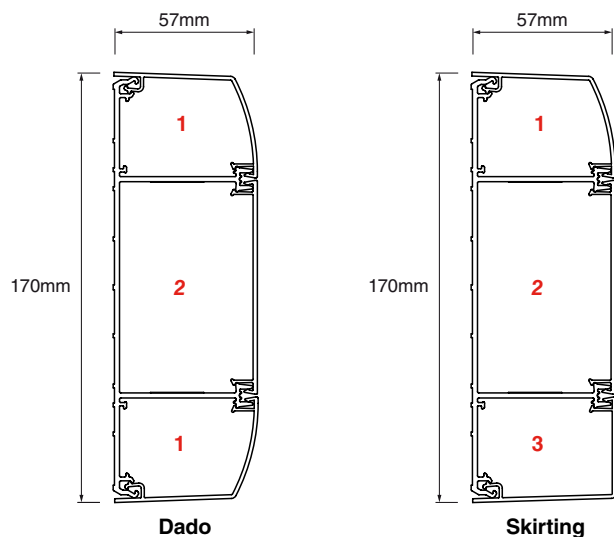
#### Wall Thickness

VP100 = 1.7mm

VP110 = 1.7mm

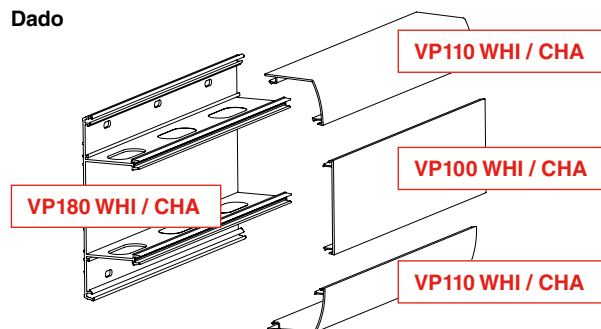
VP115 = 1.7mm

VP180 = 2.0mm

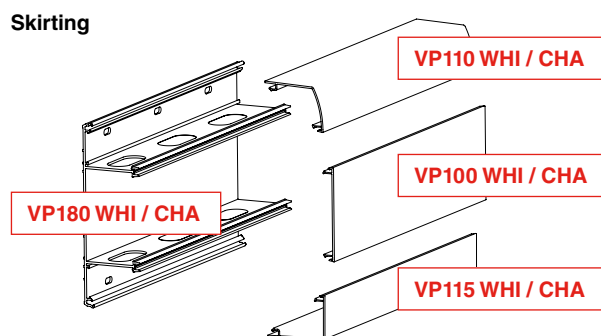


### Component selection guide

#### Dado



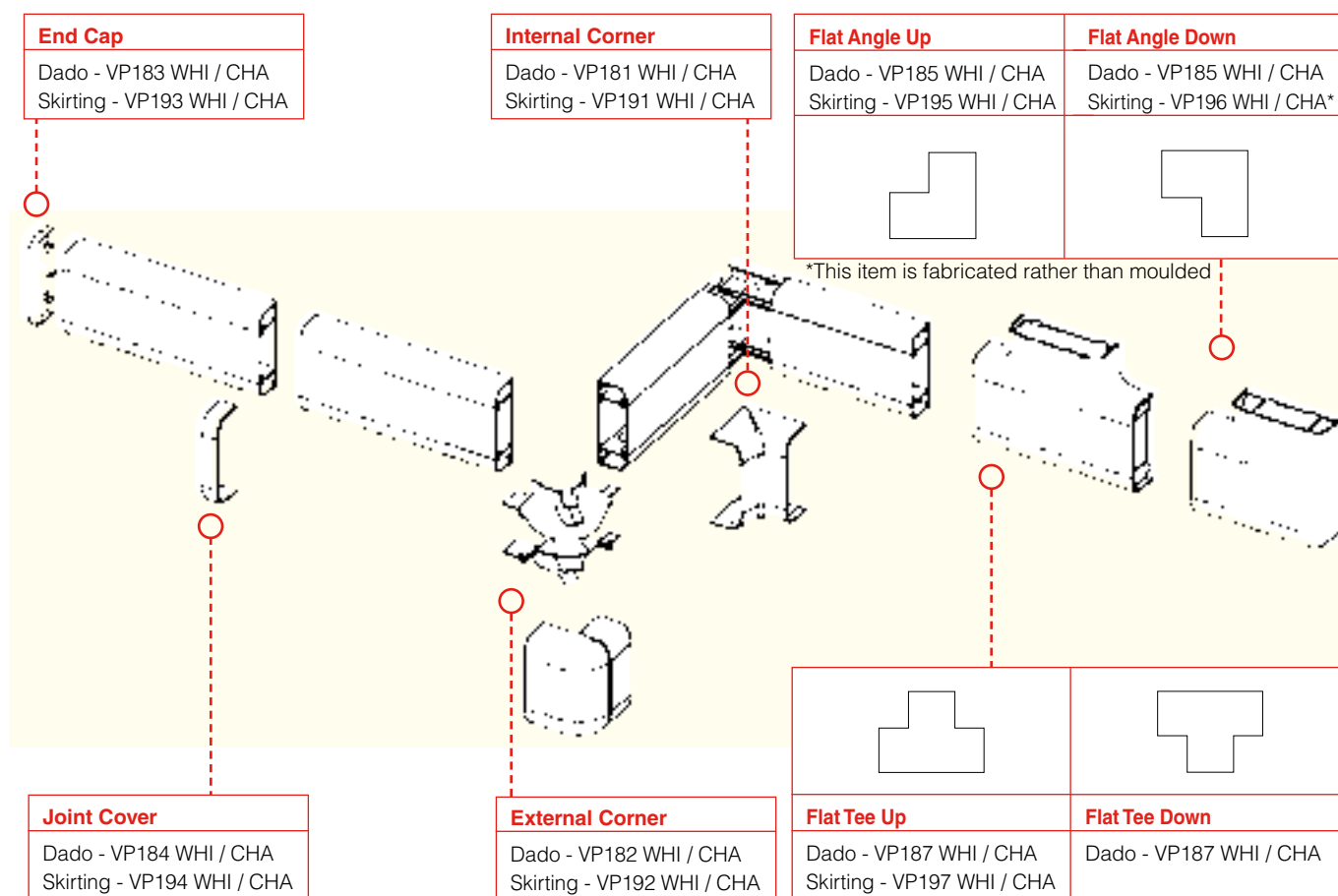
#### Skirting



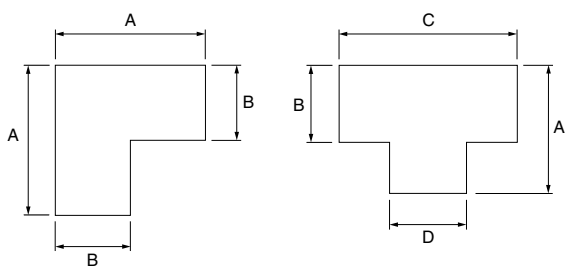
Cable Capacity											
Type of conductor	Size	Cable factor	Compartment 1		Compartment 2		Compartment 2 with 45mm deep box		Compartment 3		
			Full Term CSA (mm²)								
			1763		3828		610		1952		
			Term at 45% fill (mm²)								
			793		1722		274		878		
Power cables			Number of cables at 45% fill								
PVC stranded	1.5mm²	8.6	92		200		31		102		
	2.5mm²	12.6	62		136		21		69		
	4mm²	16.6	47		103		16		52		
	6mm²	21.2	37		81		12		41		
Data cables			Number of cables at 45% fill (a) and full capacity (b)								
			a		b		a		b		a
Cat 5E UTP	5.5mm dia.	30.2	26	58	57	126	9	20	29	64	
Cat 5E STP	6.0mm dia.	36.0	22	48	47	106	7	16	24	54	
Cat 6 UTP	6.5mm dia.	42.2	18	41	40	90	6	14	20	46	
Cat 6 STP	7.0mm dia.	49.0	16	35	35	78	5	12	17	39	
Cat 7	8.0mm dia	64.0	12	27	26	59	4	9	13	30	

## Data Trunking System

### Component selection guide



### Flat angles and tees



FLAT ANGLES AND TEES DIMENSIONS (mm)					
LIST NO	DESCRIPTION	A	B	C	D
VP185 WHI / CHA	Flat Angle	218mm	170mm		
VP187 WHI / CHA	Flat Tee	202mm	170mm	235mm	170mm
VP195 WHI / CHA	Flat Angle Up	218mm	170mm		
VP196 WHI / CHA	Flat Angle Down	270mm	170mm		
VP197 WHI / CHA	Flat Tee Up	202mm	170mm	235mm	170mm

# Prestige 3D Antibac Blue Installation

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**When planning the installation establish the layout of your system, paying particular attention to:**

- **Direction Changes**
- **Feed Positions**
- **Component Spacing**

The carrier components are not treated with the antibacterial additive. As such these must always be fixed onto a surface where they will not be touched once the installation is complete.

During the installation of Prestige 3D Antibac Blue no special treatment of the product is required. There is no need for an installer to wear sterile gloves, use sterile tools or undertake special training.

Once installed, the Prestige 3D Antibac Blue system carries a 10 year guarantee, the same as all MK Cable Management products, giving both the installer and specifier confidence and peace of mind. The unique addition of a fluorescent additive gives further confidence, clearly identifying the product as Prestige 3D Antibac Blue. A bright blue glow under UV light indicates the antibacterial additive is present, a dull purple glow under UV light indicates standard PVCu.

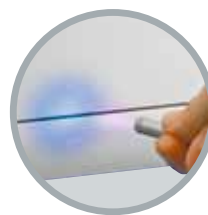


When maintaining the product after installation, no special treatment is required. The antibacterial additive depends on intimate contact between surfaces of the trunking and the user, so any barriers such as dirt or grime will reduce or negate the antibacterial effect. However, the exterior of the trunking can be cleaned very simply using a damp cloth with a mild detergent, which must be thoroughly wiped off. Alternatively the trunking can also be cleaned using Ultraviolet light. Prestige 3D Antibac Blue is not intended to replace standard cleaning regimes. It is an additional protection which can only operate efficiently if the surfaces are kept free of dirt and grime. Before hand-over to the client the entire trunking run must be thoroughly cleaned as described in the product installation guide.

Prestige 3D Antibac Blue product and packaging is recyclable. At the end of its useful life it should be recycled where facilities exist.

The additive used in Prestige 3D Antibac Blue is registered with the Environmental Protection Agency (EPA) and is compliant with the European Biocidal Products Directive (BPD).

Prestige 3D Antibac Blue is easily distinguishable from standard Prestige 3D, it has a different protective film and has a unique patent pending fluorescence under UV light which glows bright blue.



**Prestige 3D Antibac Blue**

## Data Trunking System

### Standards and approvals

The Prestige 3D Compact System is manufactured in accordance with the requirements of BS EN 50085-1:2005 and BS 4662: 2006. Copies of test certificates are available upon request. The system complies with all the relevant requirements of BS 7671: 2008. MK has been awarded ISO 9002 accreditation.

### Features

- Unique 'open box' mounting frames combined with divider knockouts to provide unhindered tool-free cable entry
- Patented Cat 5e, 6 and 7 compliant Data Sweep, with no loss of capacity and without the need for bulbous, protruding corner covers
- Cat 5e, 6 and 7 compliant moulded flexible Internal and External Corners, moulded Flat Angles and Tees
- Divider Knockouts, making wiring easier and faster with no drilling or cutting
- Patented two stage Hinge Lids enables cables to be supported by the trunking cover during installation, and makes retro-installation of additional cables more simple
- Pre-punched bases
- Attractive easy to fit single piece covers for flat angle and flat tee
- Curved outer covers that complement MK Logic Plus accessories
- All extrusions manufactured from 90% recycled material\*



### Description

Prestige 3D Compact satisfies the growing data demands in more confined locations. Prestige 3D Compact has a smaller footprint than Prestige Plus and Prestige 3D and is rich in features, offering installation benefits and improved data cable management. The new concept uses the full trunking depth with a sliding open box (frame) principal to ease power and data connections. Prestige 3D Compact trunking is capable of being installed to Cat 5e, 6 and 7 data cable installation requirements, and the depth is more conducive to data accessories.

The centre compartment is intended for accessory mounting only. Power and data cables are to be run in the outer compartments.

### Technical specification

#### CE marking

All relevant MK products in this brochure are CE marked, confirmation that they meet the EMC and LV directives.

#### Manufacture

All trunking components are manufactured from PVCu.

#### Appearance

Prestige 3D Compact is manufactured in white. The trunking surface can be painted, if required, after installation.

#### Performance

Impact	Medium
Minimum Storage Temperature	-25°C
Minimum Installation Temperature	-5°C
Maximum Application Temperature	+60°C

#### Fire performance

The PVCu materials used in the manufacture of MK products are non-flame propagating in accordance with BS EN 50085-1: 2005.

Extrusion material has achieved classification 1Y in accordance with BS 476-7: 1997. Moulding material has achieved 650°C glow wire rating in accordance with BS EN 60695-2-11: 2001.

#### Thermal properties

Prestige 3D Compact trunking is designed to accommodate local thermal expansion. Fitting instructions explain the procedure required to deal with the differential movement at the interface with the building fabric.

Linear Expansion: 4mm over every 3000mm with a temperature rise of 25°C.

#### Chemical resistance

The PVCu materials used are non-corrosive and not affected by seawater. It has excellent resistance to mineral acids, alkalis and detergents, good resistance to alcohols, but is liable to attack from solvents such as ketones, aromatics and hydrocarbons.

#### Electrical

Prestige 3D Compact trunking is non-conductive.

Dielectric strength	40 kV/mm in DBP 17 kV/mm in tx oil
Resistivity	1014 Ωcm

#### Biological

Prestige 3D Compact trunking is resistant to vermin and termites.

#### Workability

Prestige 3D Compact trunking is lightweight and can readily be cut and drilled to suit installation needs with hand tools.

#### Durability

Prestige 3D Compact trunking is stable and will maintain its performance characteristics in accordance with the terms and conditions described above.

#### Maintenance

Clip-on covers with optional screw fix and interchangeable accessories provide continuous accessibility for rewiring, extensions and modifications to an installation. Covers and accessories can be cleaned with a damp cloth and household detergent. The surface can be decorated with commercial paints if required.

\* Based on 2008 consumption

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## Data Trunking System

### Dimensions (mm)

#### Profiles

Compartment CSA mm<sup>2</sup>

1 = 742

2 = 1431

\*(X) = 3035

#### Assembly

Dado = 1.20 Kg/m

Extended Dado = 1.35 Kg/m

#### Wall Thickness

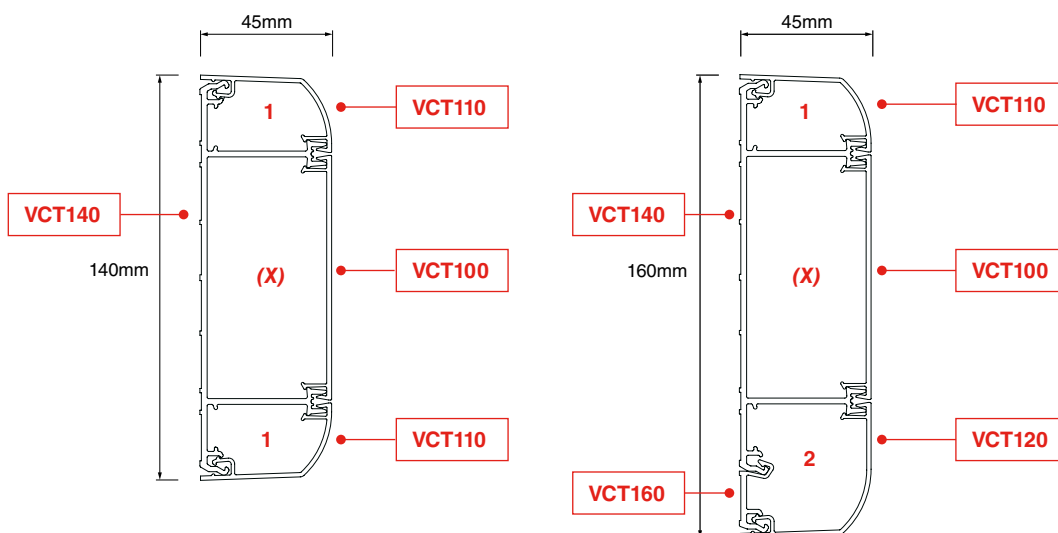
VCT100 = 1.7mm

VCT110 = 1.7mm

VCT120 = 1.7mm

VCT140 = 2.0mm

VCT160 = 2.0mm



DADO

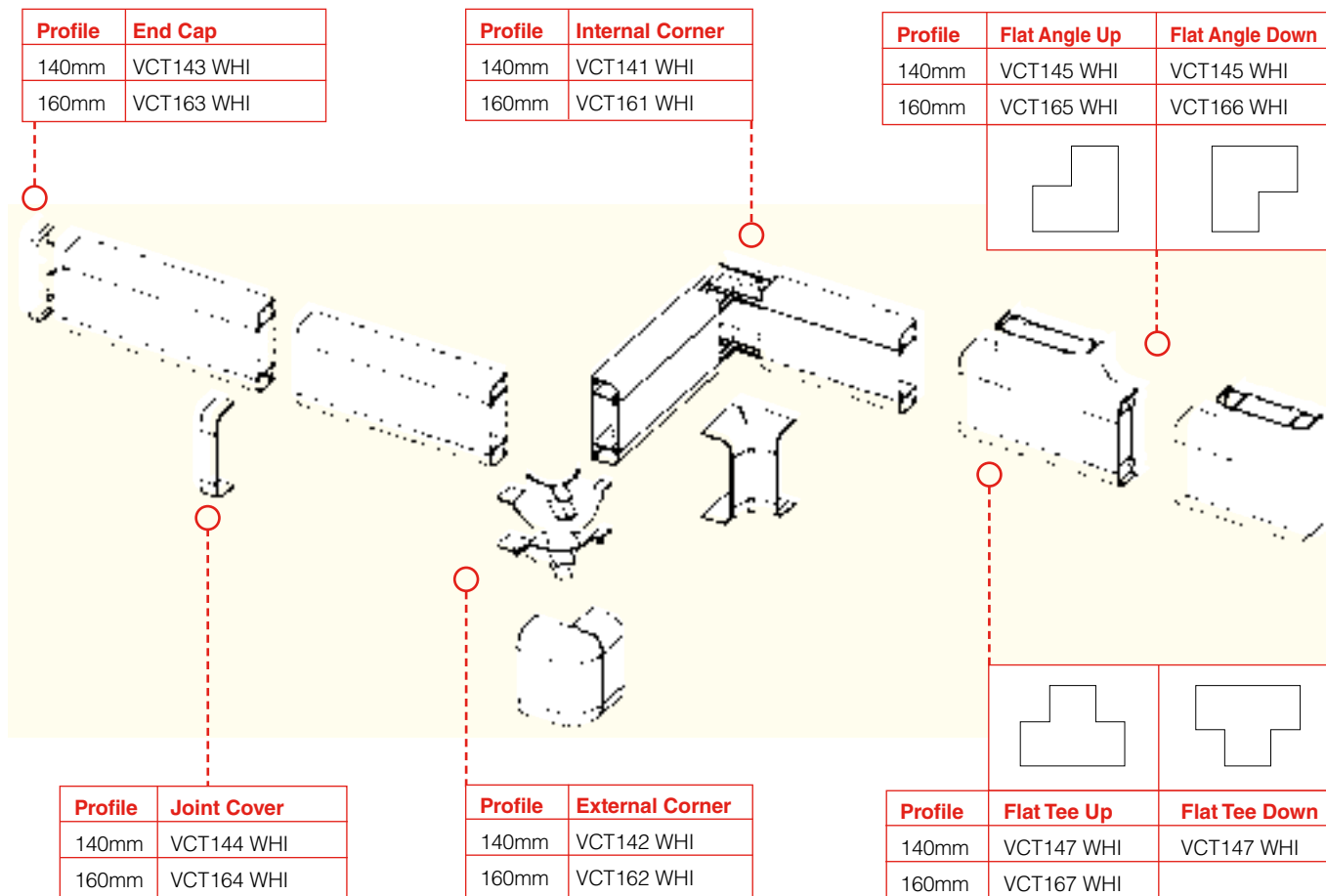
EXTENDED DADO

CABLE CAPACITY								
Type of conductor	Size	Cable factor	Compartment 1		Compartment 2		Compartment (X)	
			Full Term CSA (mm²)					
			742		1431		3035	
			Term at 45% fill (mm²)					
			333		643		1365	
Power cables			Number of cables at 45% fill					
PVC stranded	1.5mm²	8.6	38		74		158	
	2.5mm²	12.6	26		51		108	
	4mm²	16.6	20		38		82	
	6mm²	21.2	15		30		64	
Data cables			Number of cables at 45% fill (a) and full capacity (b)					
			a		b		a	
Cat 5E UTP	5.5mm dia.	30.2	11	24	21	47	45	100
Cat 5E STP	6.0mm dia.	36.0	9	20	17	39	37	84
Cat 6 UTP	6.5mm dia.	42.2	7	17	15	33	32	71
Cat 6 STP	7.0mm dia.	49.0	6	15	13	29	27	61
Cat 7	8.0mm dia.	64.0	5	11	10	22	21	47

\* Compartment (X) dimensions and capacity are given as guide only for instances where trunking is used for cable routing e.g. vertical drops/risers.

## Data Trunking System

### Component selection guide



Profile	End Cap
140mm	VCT143 WHI
160mm	VCT163 WHI

Profile	Internal Corner
140mm	VCT141 WHI
160mm	VCT161 WHI

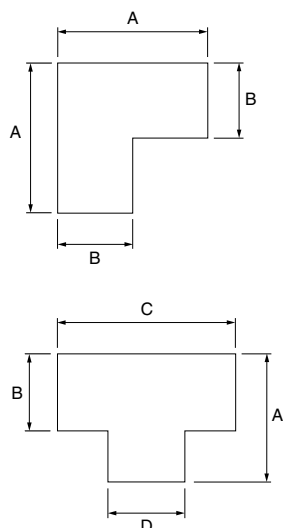
Profile	Flat Angle Up	Flat Angle Down
140mm	VCT145 WHI	VCT145 WHI
160mm	VCT165 WHI	VCT166 WHI

Profile	Joint Cover
140mm	VCT144 WHI
160mm	VCT164 WHI

Profile	External Corner
140mm	VCT142 WHI
160mm	VCT162 WHI

Profile	Flat Tee Up	Flat Tee Down
140mm	VCT147 WHI	VCT147 WHI
160mm	VCT167 WHI	

### Flat angles and tees



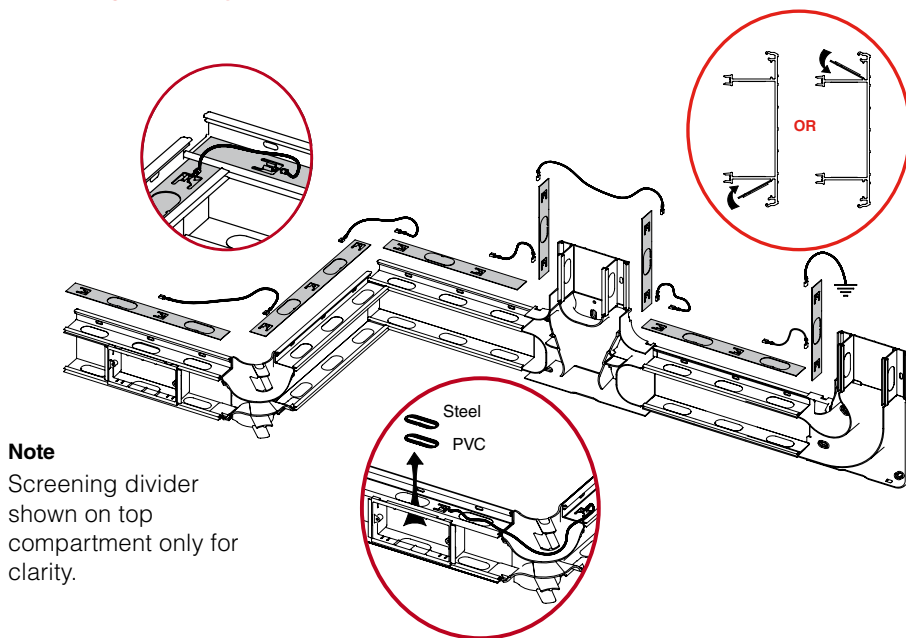
FABRICATED ANGLES AND TEES DIMENSIONS (mm)					
LIST NO	DESCRIPTION	A	B	C	D
VCT145 WHI	Flat Angle 140 (Dado)	190mm	140mm		
VCT147 WHI	Flat Tee 140 (Dado)	200mm	140mm	235mm	140mm
VCT165 WHI	Flat Angle – Up 160 (Extended Dado)	215mm	160mm		
VCT166 WHI	Flat Angle – Down 160 (Extended Dado)	215mm	160mm		
VCT167 WHI	Flat Tee – Up 160 (Extended Dado)	220mm	160mm	235mm	140mm

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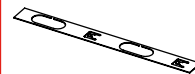
## Data Trunking System

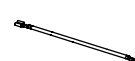
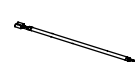
### Screening assembly (optional)



**Note**  
Screening divider shown on top compartment only for clarity.

#### PRODUCT IDENTIFICATION

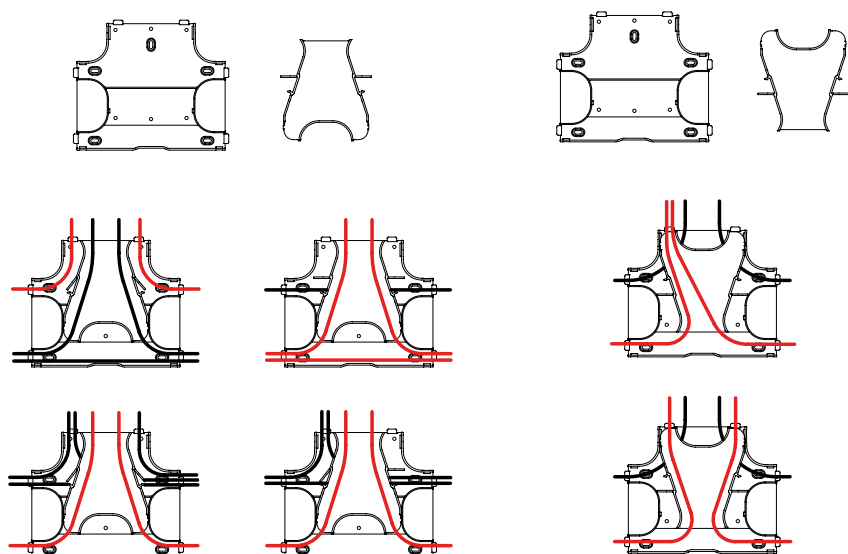
VP30 / VCT30  
Screening Divider  
1.5m (steel)

VX31  
Screening Cable  
300mm

VX32  
Screening Braid  
500mm

VX33  
Screening Cable  
500mm plus


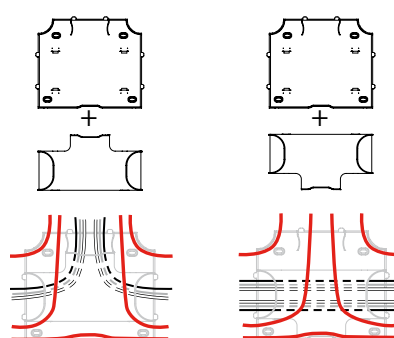
### Flat Tee Bridge

The Flat Tee's bridge can be fitted in two positions increasing the versatility of cable runs whilst maintaining the correct separation and Cat 5e, 6 and 7 compatibility.

#### Prestige Compact



#### Prestige 3D Dado and Skirting



## Data Trunking System

### Standards and approvals

The Prestige 3D Aluminium System is manufactured in accordance with the requirements of BS EN 50085-1:2005 and BS EN 50085-2-1:2006, copies of the certification are available on request. MK has been awarded ISO 9002 accreditation.

### Features

- Fully Cat 5e, 6 and 7 compliant
- Available in Dado and Skirting Profile
- Product profile 170 x 57mm
- All profiles use the same carrier VP180 ALM
- Choose from PVC or aluminium fittings depending on the application
- Choice of 2 colours - WHI and ALM
- Pre-drilled trunking base
- PVC fittings have all of the same features and benefits as Prestige 3D trunking
- Suitable for commercial offices, schools, colleges and laboratories
- 10 year guarantee
- Two step hinged lid
- Knockouts on main carrier for easier and faster installation
- Fabricated corners for a complete aluminium trunking system
- Ideal with the Edge range of sockets



### Description

**NEW** to the Prestige 3D family is its aluminium range of Dado and Skirting Trunking.

Available in 2 profiles, it satisfies the needs of a Cat 5e, 6 and 7 compliant system that is easier and faster to install, with a robust and aesthetically pleasing appearance.

### Technical specification

#### CE Marking

All relevant MK products are CE marked, confirmation that they meet the EMC and LV directives.

#### Manufacture

All PVC trunking components are manufactured in the UK. All Aluminium trunking components are manufactured in the UK.

#### Appearance

Prestige 3D Aluminium is manufactured in aluminium (6063, T6 Tempered) and the covers are either anodised or powder coated for the white finish (RAL 9003), the trunking surface can also be painted in other colours available on request.

#### Fire Performance

This product is designed not to burn.

#### Thermal Properties

The product is designed to accommodate anticipated thermal expansion and contraction, within the temperature range -5°C and +60°C.

#### Chemical Resistance

Corrosion only occurs to any great degree when pH is less than 3 or greater than 9 (acid/alkaline).

#### Biological

Resistant to attack from vermin and termites.

#### Workability

Prestige 3D Aluminium is lightweight and can be readily cut with hand tools.

#### Durability

Prestige 3D Aluminium is mechanically, electrically and chemically stable. It will maintain its performance characteristics if it is installed and maintained as per standard installation guidelines.

#### Maintenance

The product is suitable for normal cleaning with a dry cloth or a slightly damp cloth with mild detergent to remove stubborn dirt or grease. It can also be cleaned using Ultra-Violet light.

#### Guarantee

The products are provided with a ten year guarantee.

#### Environmental

The wiring devices will comply with the Wiring Devices RoHs strategy. The chemicals in the manufacturing process comply with the REACH regulations.

## Data Trunking System

### Dimensions (mm)

#### Profiles

Compartment CSA mm<sup>2</sup>

1 = 1763

2 = 3828

3 = 1952

#### Assembly

Dado = 3.22 kg/m

Skirting = 3.24 kg/m

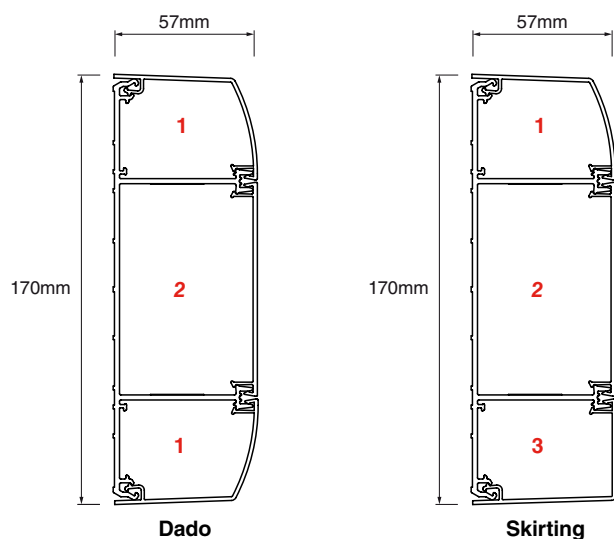
#### Wall Thickness

VP100 = 1.7mm

VP110 = 1.7mm

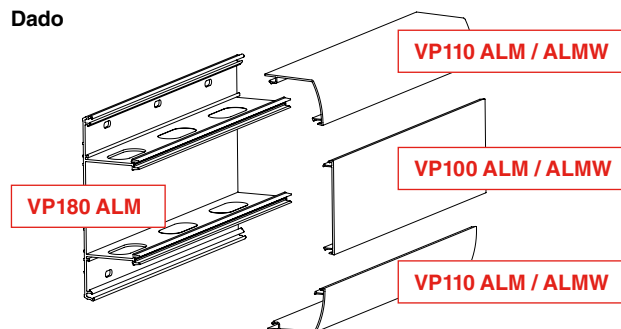
VP115 = 1.7mm

VP180 = 2.0mm

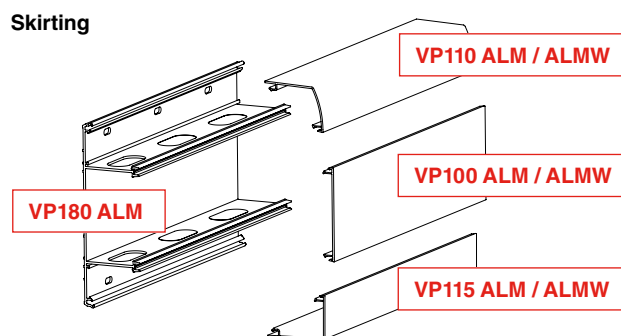


### Component selection guide

#### Dado



#### Skirting



CABLE CAPACITY										
Type of conductor	Size	Cable factor	Compartment 1		Compartment 2		Compartment 2 with 45mm deep box		Compartment 3	
			Full Term CSA (mm²)							
			1763		3828		610		1952	
			Term at 45% fill (mm²)							
			793		1722		274		878	
Power cables			Number of cables at 45% fill							
PVC stranded	1.5mm²	8.6	92		200		31		102	
	2.5mm²	12.6	62		136		21		69	
	4mm²	16.6	47		103		16		52	
	6mm²	21.2	37		81		12		41	
Data cables			Number of cables at 45% fill (a) and full capacity (b)							
			a	b	a	b	a	b	a	b
Cat 5E UTP	5.5mm dia.	30.2	26	58	57	126	9	20	29	64
Cat 5E STP	6.0mm dia.	36.0	22	48	47	106	7	16	24	54
Cat 6 UTP	6.5mm dia.	42.2	18	41	40	90	6	14	20	46
Cat 6 STP	7.0mm dia.	49.0	16	35	35	78	5	12	17	39
Cat 7	8.0mm dia	64.0	12	27	26	59	4	9	13	30

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