

# Cable Management Range Brochures



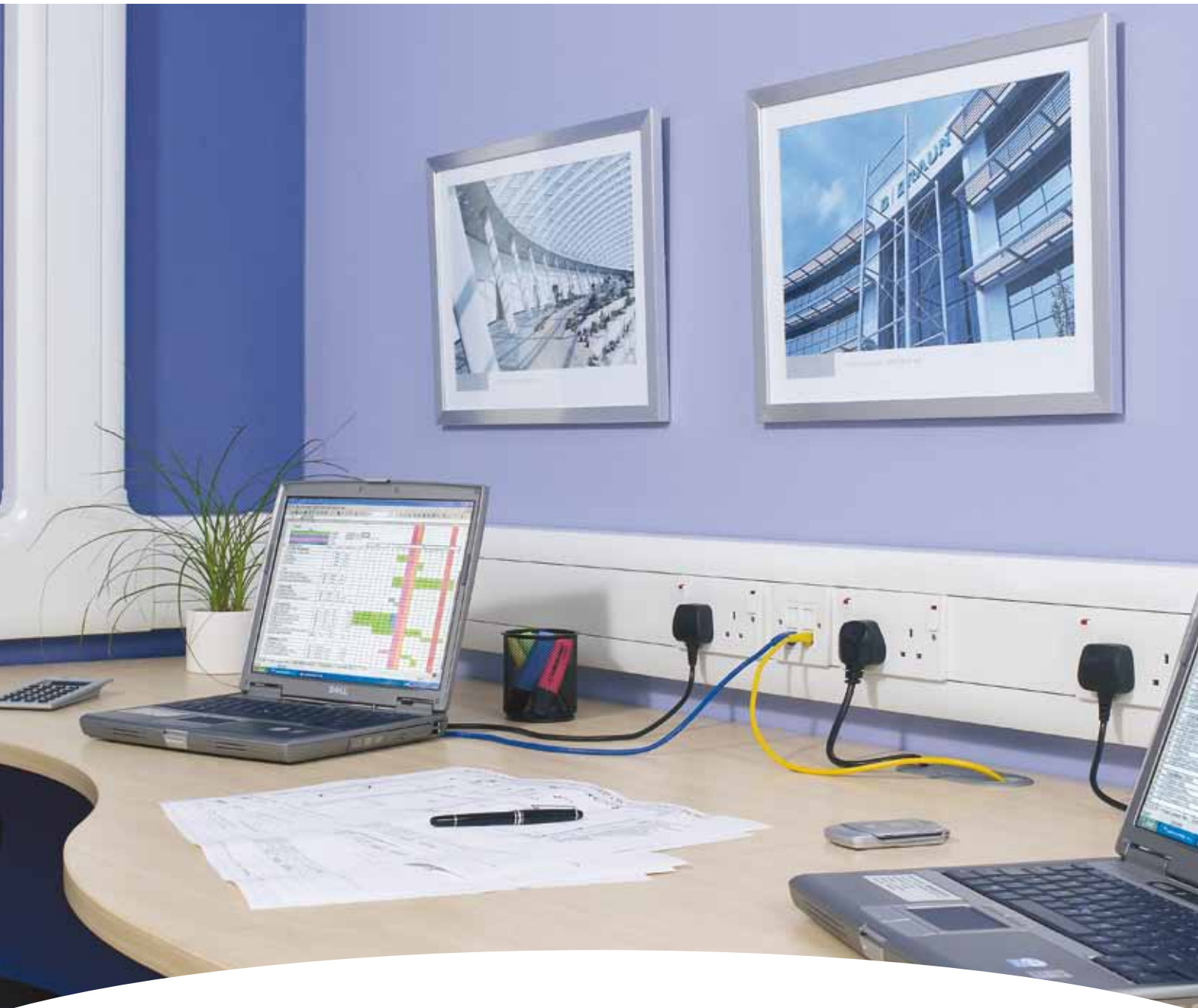
**Prestige 3D Brochure**  
3 Compartment Trunking with greater depth for Cat 5e/6/7 compliance



**MK Cable Management:  
The Sustainable Choice**  
Did you know that the MK Cable Management portfolio has been developed with up to 90% recycled content, is recyclable and manufactured in the UK?



**Gilflex Catalogue**  
Professional conduit and trunking systems



**Cable Management – Perimeter and Distribution**

**Dado and Skirting  
Antibac Blue  
Compact**

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 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.

- **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

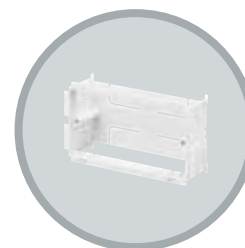
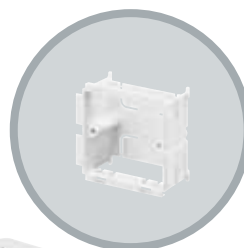
Neatly finishes runs of trunking. (Moulding provides internal location for extra security from optional screw fixing).

### 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.



### 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.

### 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.

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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

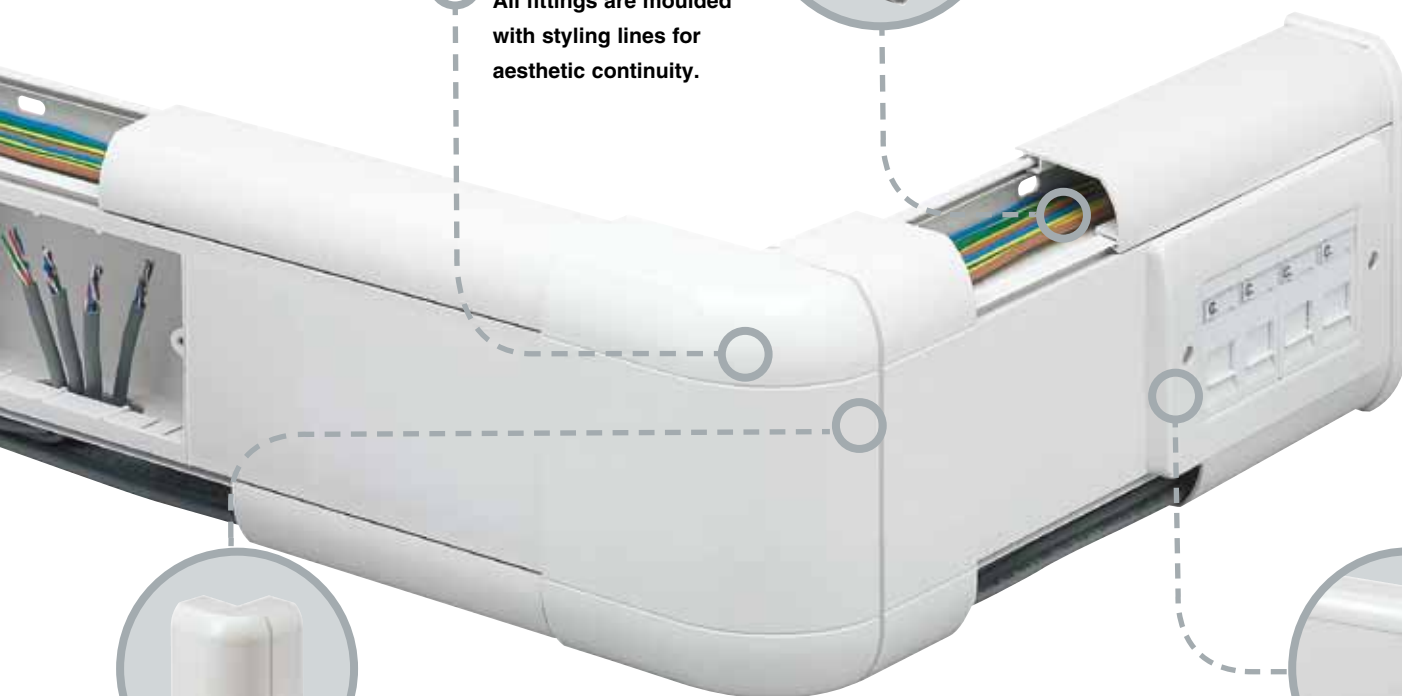
Additional data cable/signal protection is provided by fitting screening divider VP30.

## 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

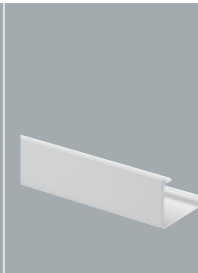
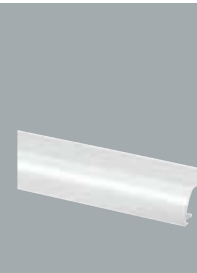
Straight  
Cover

Curved  
Cover

Square  
Cover

Flexible  
Internal  
Corner

3 METRES 6m3 METRES 30m3 METRES 30m3 METRES 30m2



DADO  
170 x 57mm

VP180 WHI  
VP180 CHA

VP100 WHI  
VP100 CHA\*

VP110 WHI x2  
VP110 CHA x2

VP181 WHI  
VP181 CHA



SKIRTING  
170 x 57mm

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

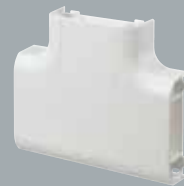
CONSISTS OF COVER AND CARRIER

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



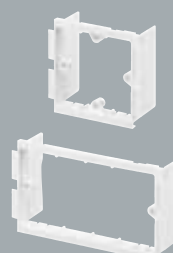
**VX40 CHA** 20  
**VX40 BLU** 20  
 1 GANG MOUNTING FLANGE  
**VX41 CHA** 10  
**VX41 BLU** 10  
 2 GANG SOCKET SPACER  
 Provides colour contrast with wiring device to comply with Part M.  
 Visible width is 25mm after installation.

### 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



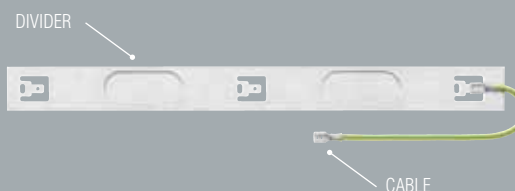
**VP105 WHI** 50  
 CABLE RETAINER

### Screw Fixing Kit



**VTS1000** 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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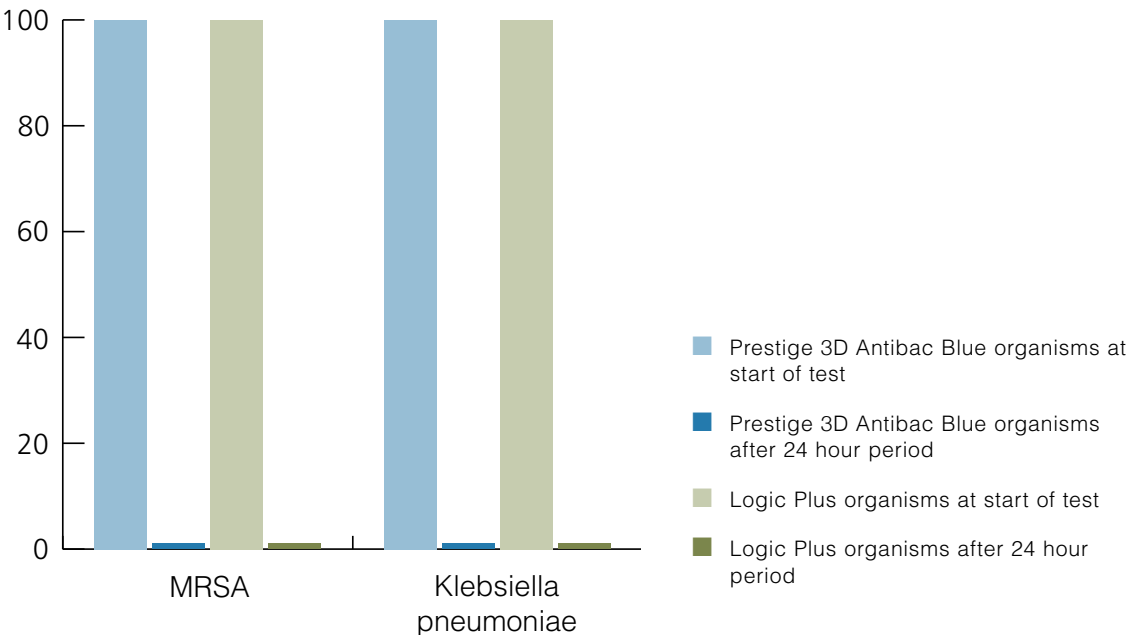
MK Electric have commissioned independent tests to verify the antibacterial properties of Prestige 3D Antibac Blue. The results, collected over a 24 hour period shows results of >99.9% kill rates on the organisms MRSA, and Klebsiella pneumoniae.

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**

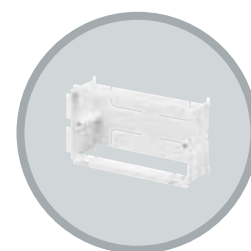
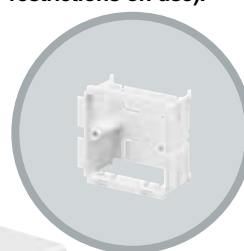
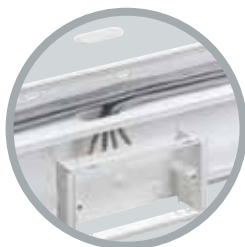
Neatly finishes runs of trunking. (Moulding provides internal location for extra security from optional screw fixing).

**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**

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.

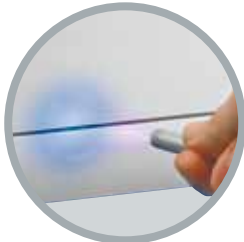


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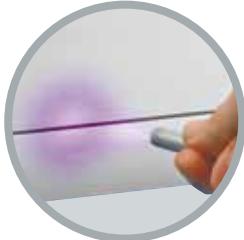
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## UNIQUE FLUORESCENCE

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.



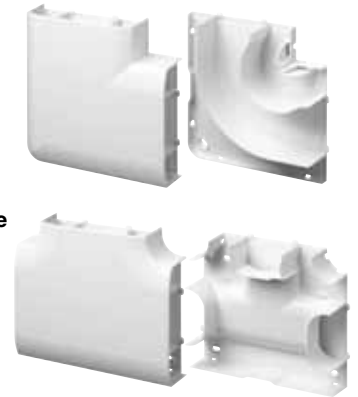
Prestige 3D Antibac Blue



Prestige 3D

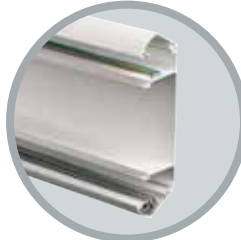
## FLAT TEES AND ANGLES

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.



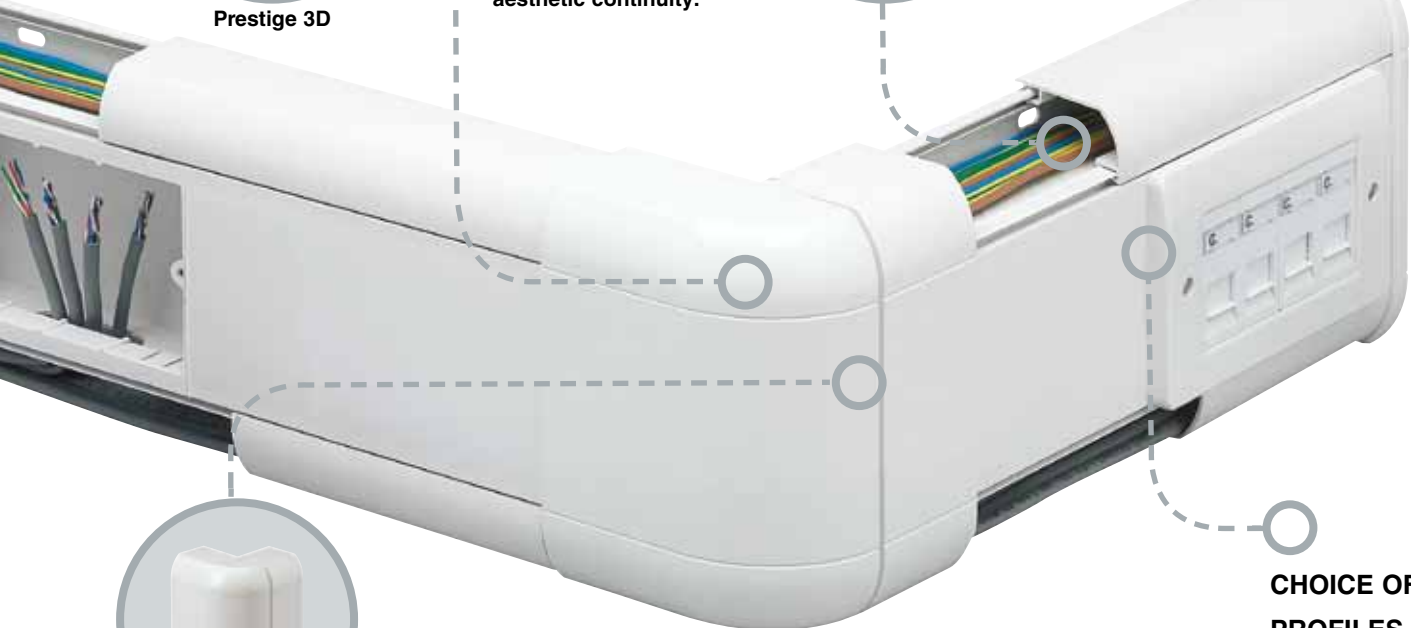
## TRUNKING HINGE LIDS

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

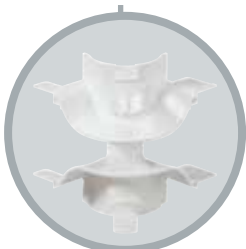
Available in Dado and Skirting profiles to suit most installations.

## ELECTROMAGNETIC INTERFERENCE

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



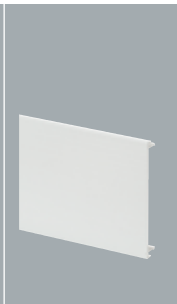

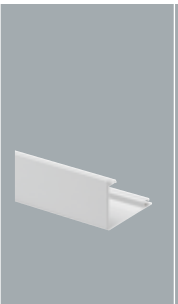




## EXTERNAL CORNER

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\*

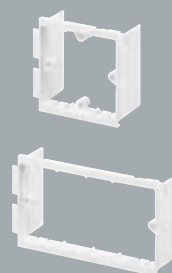
CONSISTS  
OF COVER  
AND  
CARRIER

5

CONSISTS  
OF COVER  
AND  
CARRIER

1

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

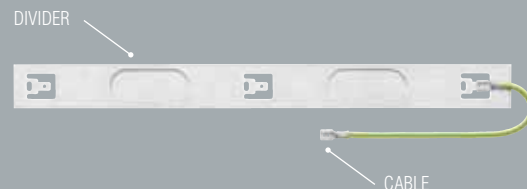
Flat Angle Up  
VPAB195  
WHI

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**

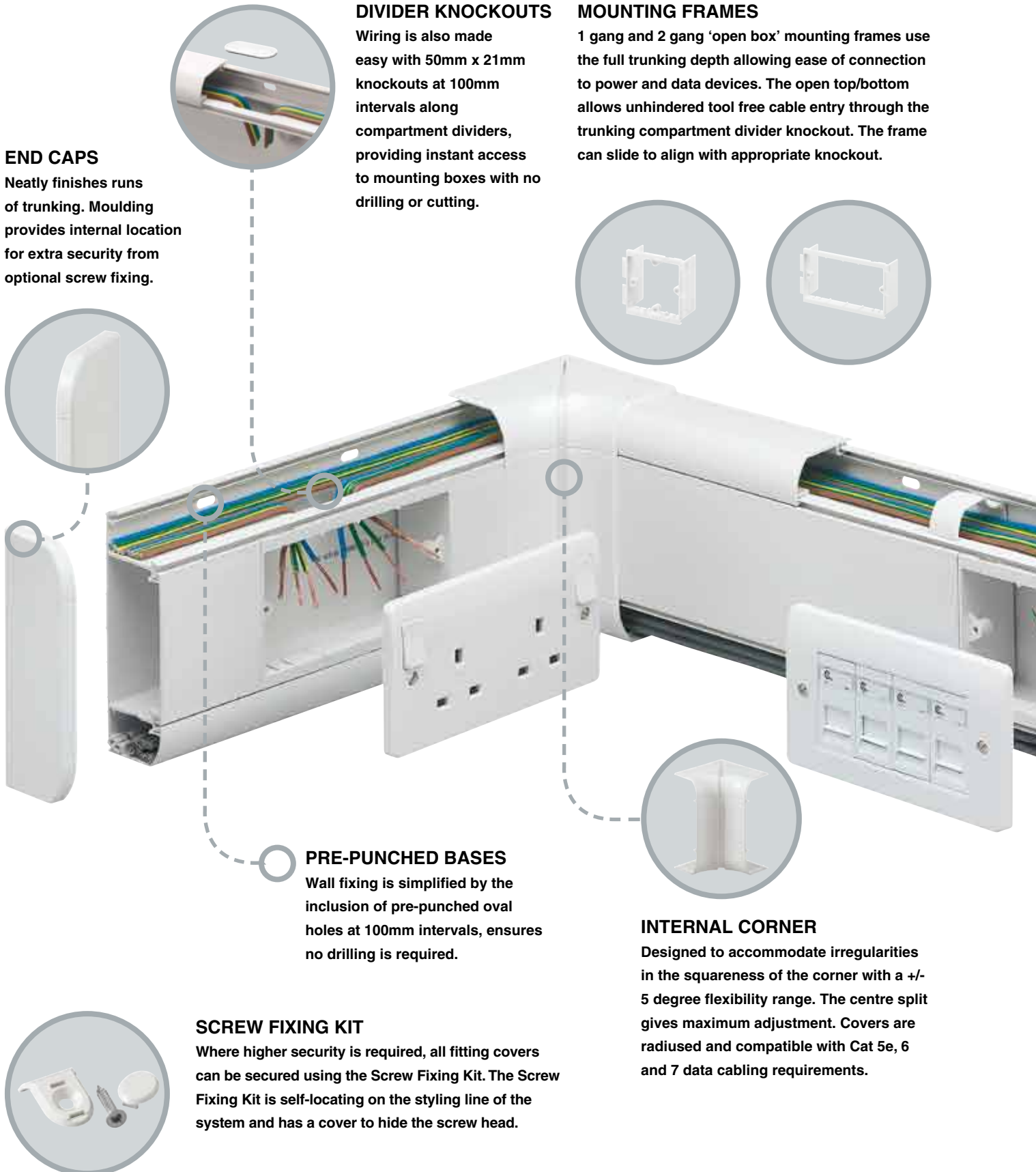
Wall fixing is simplified by the inclusion of pre-punched oval holes at 100mm intervals, ensures no drilling is required.

**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.

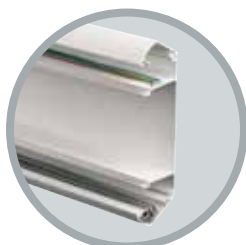


## ELECTROMAGNETIC INTERFERENCE

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


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

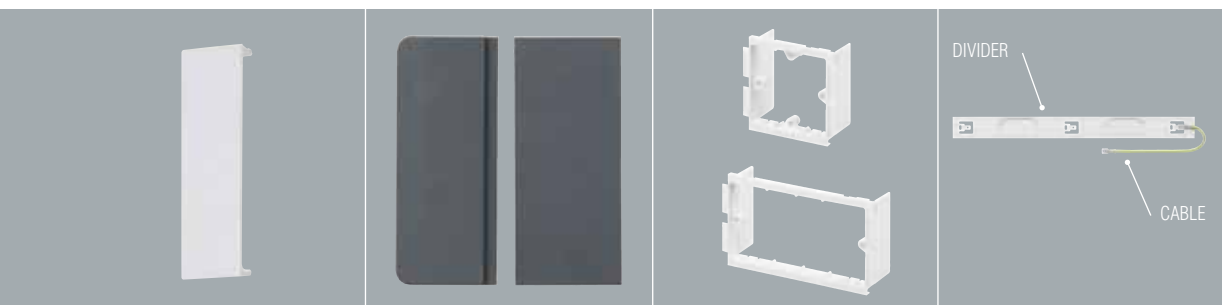
VCT165 WHI

VCT166 WHI

VCT167 WHI

## ACCESSORIES

## Socket Spacer

Part M Flange and  
Socket SpacerOpen Mounting  
FramesScreening  
Divider**VCT25 WHI**  
SOCKET SPACER**10**

Visible width is 9mm after installation.

**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.**20**  
**20****VCT121 WHI**1 GANG 40MM  
OPEN MOUNTING FRAME**VCT122 WHI**2 GANG 40MM  
OPEN MOUNTING FRAME**10**  
**10**Wings may be removed for increased  
wiring space.**25****VCT30\***

1.5M SCREENING DIVIDER

**10****VX31**300MM SCREEN CONNECTING  
CABLE**10****VX32**500MM SCREEN CONNECTING  
BRAID**10****VX33**500MM SCREEN CONNECTING  
CABLE**10**

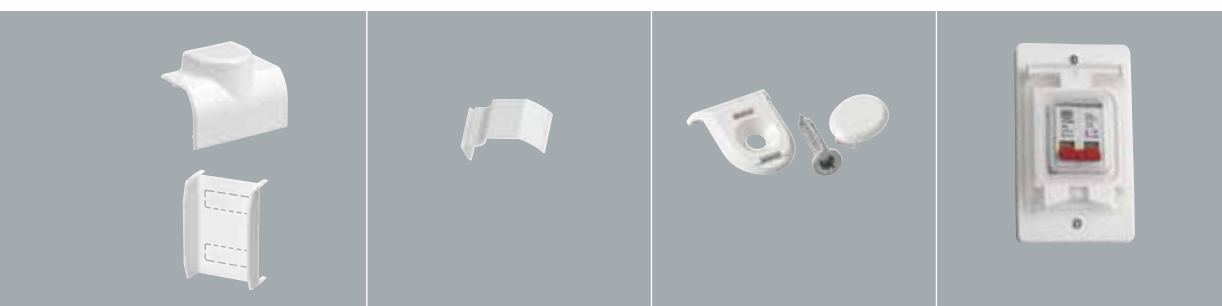
\* Cable not included

## Adaptors

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

Cable  
RetainerScrew  
Fixing Kit

## MCB/RCD Housing

**VCT148 WHI**

FOR USE WITH COVER VCT110 WHI

**10****VCT168 WHI**FOR USE WITH COVER VCT120 WHI  
EXTENSION COVER**10****VCT105 WHI**

CABLE RETAINER

**50****VTS1000**

SCREW FIXING KIT

**20****VCT35 WHI**MCB/RCD HOUSING WITH COVER  
(ACCESSORY NOT SUPPLIED)**1**

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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## Features and Benefits Comparison Chart



	PRESTIGE 3D DADO AND SKIRTING	PRESTIGE 3D ANTIBAC BLUE	PRESTIGE 3D COMPACT
Hinged Lid	✓	✓	✓
Divider Knockouts	✓	✓	✓
Pre-punched Base	✓	✓	✓
Flexible Internal and External Corners*	✓	✓	✓
One piece Tees and Angles*	✓	✓	✓
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

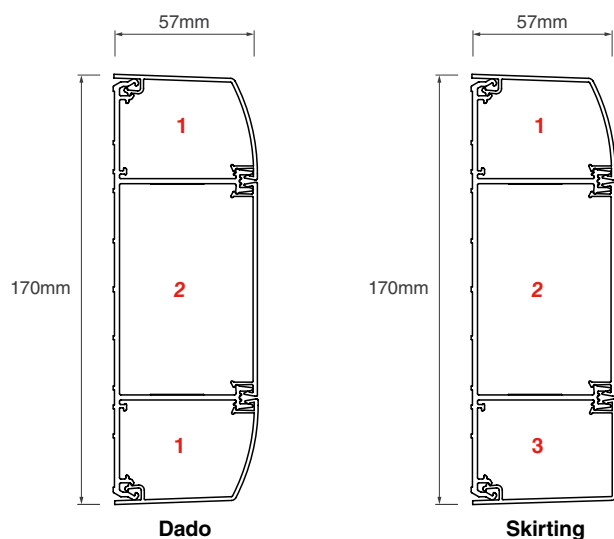
#### Wall Thickness

VP100 = 1.7mm

VP110 = 1.7mm

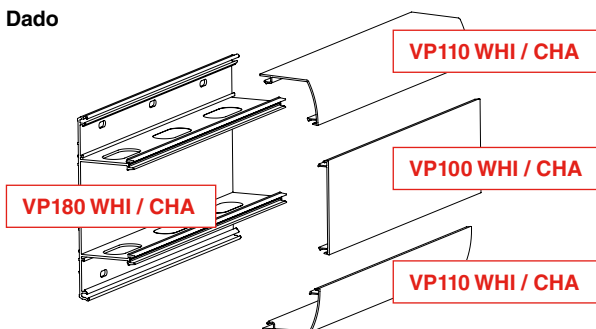
VP115 = 1.7mm

VP180 = 2.0mm

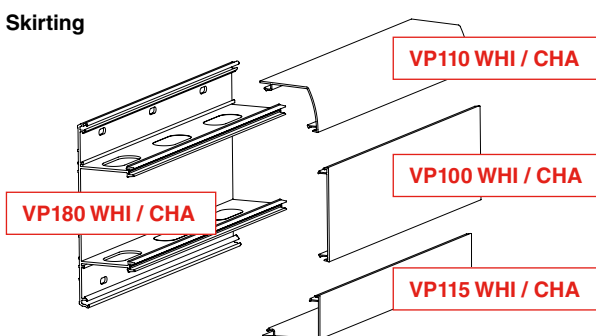


### Component selection guide

#### Dado



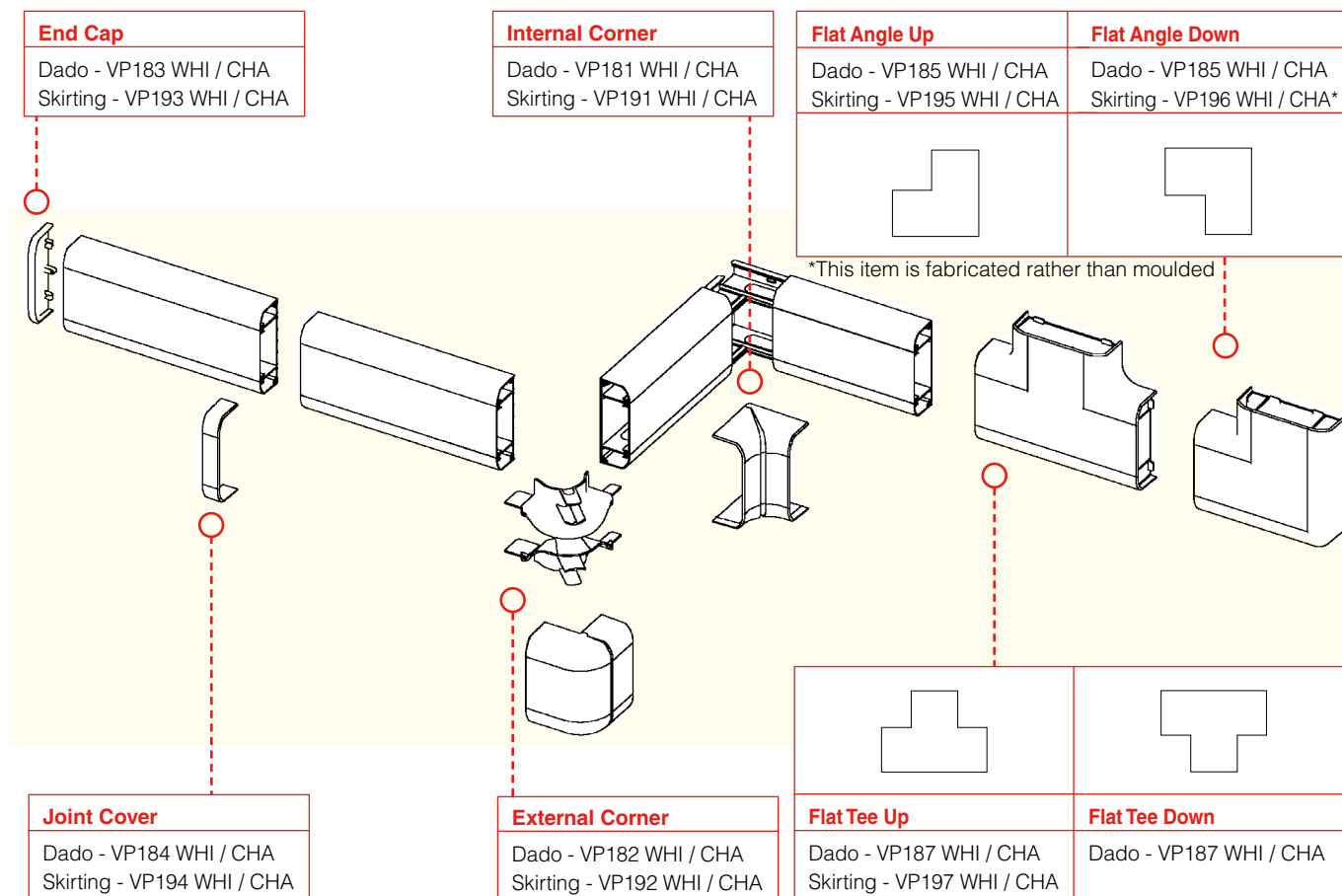
#### Skirting



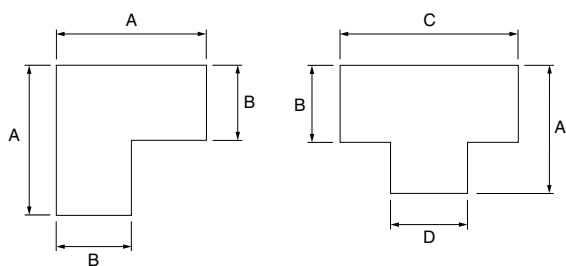
Cable Capacity											
Type of conductor	Size	Cable factor	Compartment 1		Compartment 2		Compartment 2 with 45mm deep box		Compartment 3		
			Full Term CSA (mm²)								
			1763		3828		610		1952		
			Term at 45% fill (mm²)								
			793		1722		274		878		
Power cables			Number of cables at 45% fill								
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.

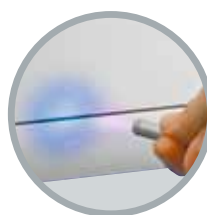


When maintaining the product after installation, no special treatment is required. The antibacterial additive depends on intimate contact between surfaces of the trunking and the user, so any barriers such as dirt or grime will reduce or negate the antibacterial effect. However, the exterior of the trunking 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

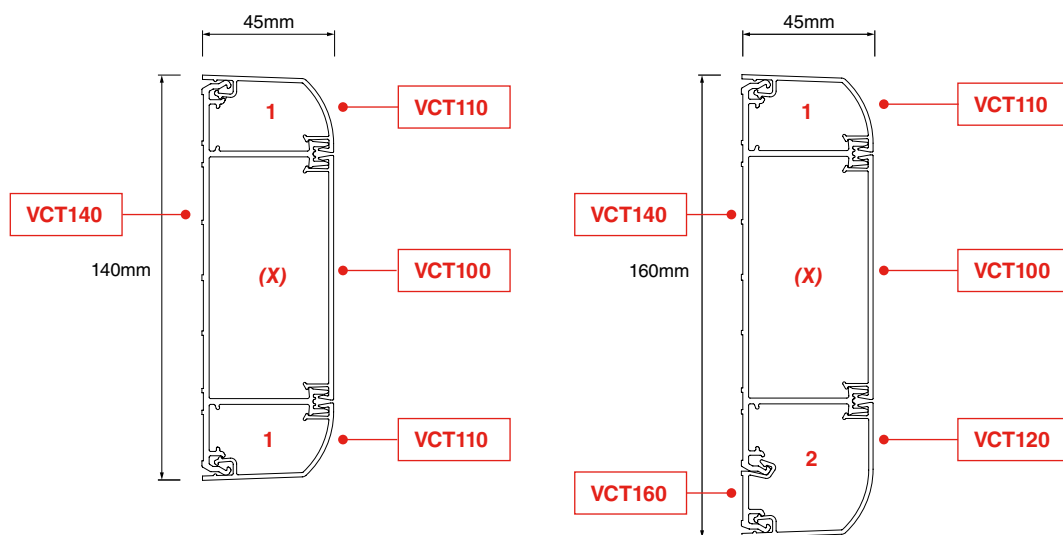
VCT100 = 1.7mm

VCT110 = 1.7mm

VCT120 = 1.7mm

VCT140 = 2.0mm

VCT160 = 2.0mm



DADO

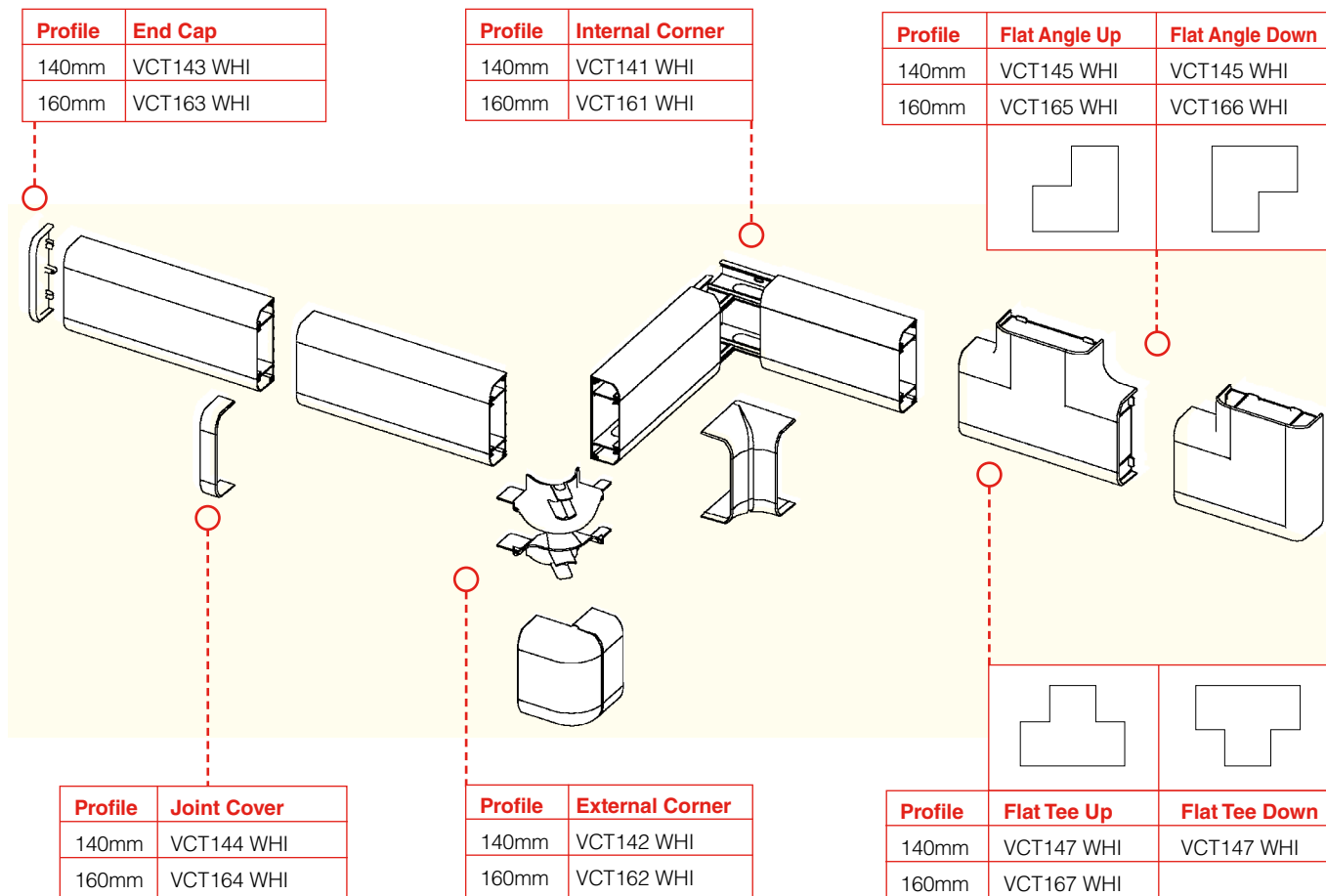
EXTENDED DADO

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



The diagram shows various components of the Data Trunking System, including profiles, end caps, internal corners, flat angles, flat tees, joint covers, and external corners. Red dashed lines with circles connect these components to their respective selection tables.

Profile	End Cap
140mm	VCT143 WHI
160mm	VCT163 WHI

Profile	Internal Corner
140mm	VCT141 WHI
160mm	VCT161 WHI

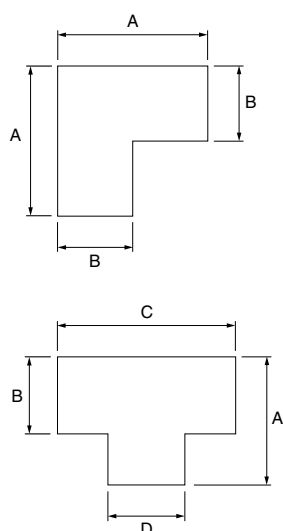
Profile	Flat Angle Up	Flat Angle Down
140mm	VCT145 WHI	VCT145 WHI
160mm	VCT165 WHI	VCT166 WHI

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



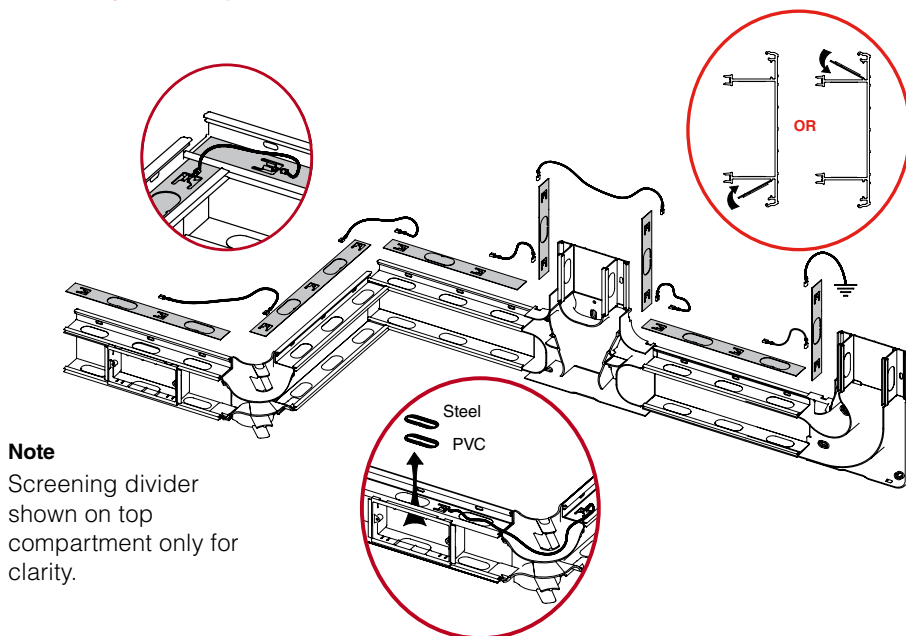
FABRICATED ANGLES AND TEES DIMENSIONS (mm)					
LIST NO	DESCRIPTION	A	B	C	D
VCT145 WHI	Flat Angle 140 (Dado)	190mm	140mm		
VCT147 WHI	Flat Tee 140 (Dado)	200mm	140mm	235mm	140mm
VCT165 WHI	Flat Angle – Up 160 (Extended Dado)	215mm	160mm		
VCT166 WHI	Flat Angle – Down 160 (Extended Dado)	215mm	160mm	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

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perimeter and distribution | cable management

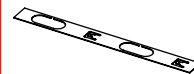
## Data Trunking System

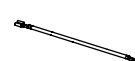
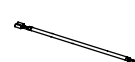
### Screening assembly (optional)



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

#### PRODUCT IDENTIFICATION

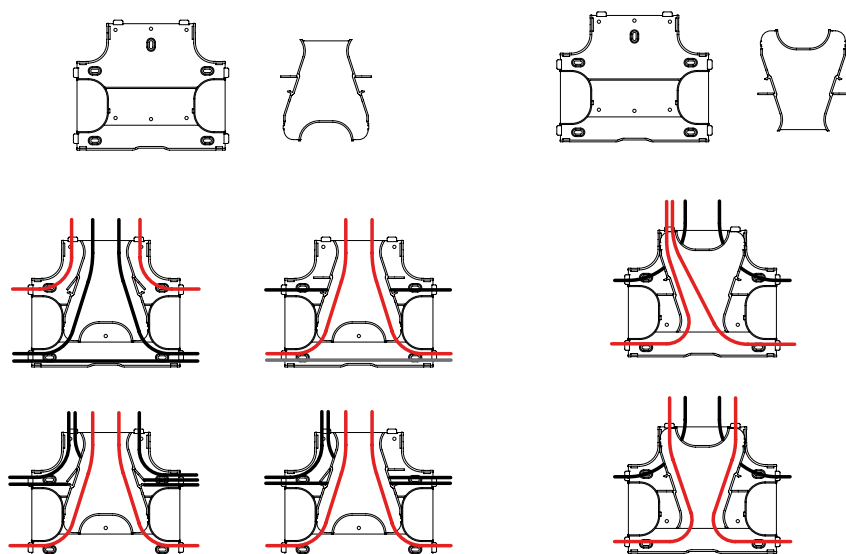
VP30 / VCT30  
Screening Divider  
1.5m (steel)

VX31  
Screening Cable  
300mm

VX32  
Screening Braid  
500mm

VX33  
Screening Cable  
500mm plus


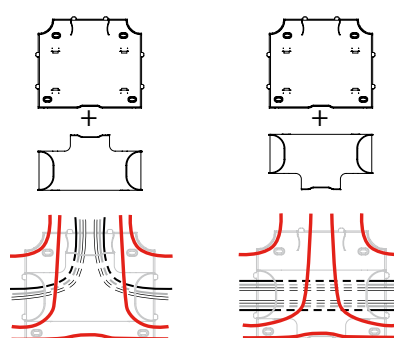
### Flat Tee Bridge

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





**MK Electric****UK**

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Basildon, Essex, SS14 3EA,  
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Customer Service Fax 01268 563405  
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[www.mkelectric.co.uk](http://www.mkelectric.co.uk)



**GILFLEX**

**PROFESSIONAL CONDUIT  
AND TRUNKING SYSTEMS**



In 1943 Thomas Charles Gilbert was granted a patent for his flexible non-metallic wiring system. That invention evolved into PVC conduit and was the forerunner of the wide range of products now used in the modern domestic or commercial building.

Since then Gilflex, as he called his company, has attracted many imitators, but through the constant process of development and change has remained a supplier of the highest quality PVCu products.

Gilflex's distribution policy is designed to offer unrivalled levels of service and support nationwide. The products are manufactured in Britain, and our adherence to relevant British Standards assures that the quality of the products are consistent throughout. It may come as no surprise to learn that Gilflex were the first PVCu trunking and conduit manufacturer to be awarded BS 5750 Part 1 registration in 1987. Systems are now manufactured to BS EN ISO 9002 ensuring attention to quality continues.

One call to our sales desk will enable you to get all the information you require with regard to price and availability.

If you should need specialist technical advice, please call our fully trained Technical Sales and Services department on 01268 563720.

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## SYSTEM 38/48 TRUNKING

**GILFLEX**

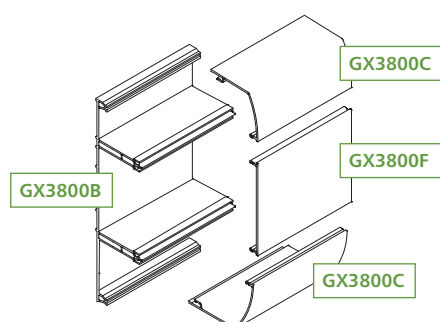
System 38/48 is a neat, clean three compartment trunking that will provide a perimeter service system at dado or skirting level. With segregated compartments for power, data and telecom cabling, each service can be accessed without exposing other services for additions and alterations.

- Two profiles available
- Wide range of fittings are available to complement the trunking
- Manufactured from 90% recycled PVCu<sup>†</sup> to provide an aesthetic and durable solution to all your trunking needs
- One piece fittings with retaining screws for long term secure fit, ideal for school environments etc
- Supplied in component form for speed of installation and protection of components on-site
- Protective film covers all lids to ensure quality of finish is not compromised during installation



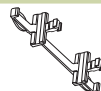








<sup>†</sup> Applicable to extrusions only and based on 2008 consumption

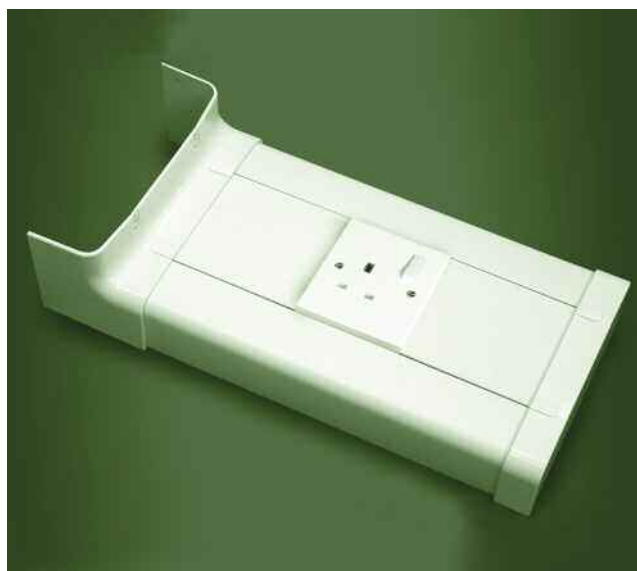
### SYSTEM 38 DADO TRUNKING

Ref. No.	Detail	Std Pack
<b>DADO TRUNKING COMPONENTS</b>		
GX3800B WHI*	Base Carrier	6m
GX3800C WHI*	Curved Lid (x2)	30m
GX3800F WHI*	Flat Lid (centre)	30m



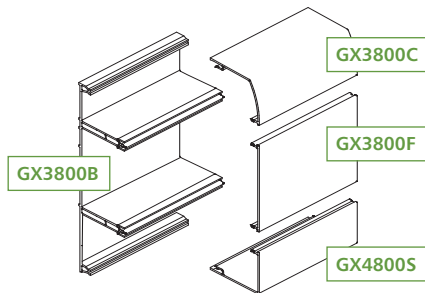
### DADO TRUNKING ACCESSORIES

Ref. No.	Detail	Std Pack
<b>EXTERNAL CORNER</b>		
GX3801 WHI	Includes screws, screw caps and segregators	Each 
<b>INTERNAL CORNER</b>		
GX3802 WHI	Includes screws and screw caps	Each 
<b>BASE COUPLER</b>		
GX3808 WHI*		5 
<b>COVER JOINT</b>		
GX3811 WHI	Includes screws and screw caps	5 
<b>TRUNKING END CAP</b>		
GX3816 WHI	Includes screws and screw caps	Pair 
<b>CABLE RETAINERS</b>		
GX3817 WHI*	For top/bottom compartments	10 
GX3818 WHI*	For centre compartment	10 
<b>SINGLE ACCESSORY BOX</b>		
GX3821 WHI*	Fixing Centre 60.3mm 25mm deep	25 
<b>TWIN ACCESSORY BOX</b>		
GX3822 WHI*	Fixing Centre 120.6mm 25mm deep	10 
<b>FLAT ELBOW</b>		
GX3825 WHI	Fabricated Elbow	Each 
<b>FLAT TEE</b>		
GX3828 WHI	Fabricated Tee	Each 
<b>SPARES</b>		
GX3836*	Screw fixing kit	2 Caps 4 Screws



## SYSTEM 48 SKIRTING TRUNKING

Ref. No.	Detail	Std Pack
<b>SKIRTING TRUNKING COMPONENTS</b>		
GX3800B WHI*	Base Carrier	6m
GX3800C WHI*	Curved Lid	30m
GX3800F WHI*	Flat Lid (centre)	30m
GX4800S WHI	Square Lid	30m



## SKIRTING TRUNKING ACCESSORIES

Ref. No.	Detail	Std Pack
<b>EXTERNAL CORNER</b>		
GX4801 WHI	Includes screws, screw caps and segregators	Each
<b>INTERNAL CORNER</b>		
GX4802 WHI	Includes screws and screw caps	Each
<b>BASE COUPLER</b>		
GX3808 WHI*		5
<b>COVER JOINT</b>		
GX4811 WHI	Includes screws and screw caps	5
<b>TRUNKING END CAP</b>		
GX4816 WHI	Left & right hand – Include screws and screw caps	Pair
<b>CABLE RETAINERS</b>		
GX3817 WHI*	For top/bottom compartments	10
GX3818 WHI*	For centre compartment	10
<b>SINGLE ACCESSORY BOX</b>		
GX3821 WHI*	Fixing Centre 60.3mm 25mm deep	25
<b>TWIN ACCESSORY BOX</b>		
GX3822 WHI*	Fixing Centre 120.6mm 25mm deep	10
<b>FLAT ELBOW</b>		
GX4825 WHI	Fabricated Elbow	Each
<b>FLAT TEE</b>		
GX4828 WHI	Fabricated Tee	Each
<b>SPARES</b>		
GX3836*	Screw fixing kit	2 Caps, 4 Screws

## CABLE CAPACITIES

To conform to the requirements of IEE Regulations, power cables must not occupy more than 45% of the area available within a trunking section.

Profile	Trunking Size mm	Compartment	45% Space factor mm <sup>2</sup>
<b>Dado</b>	170 x 50	Centre	1530
		Top/Bottom	652
<b>Skirting</b>	170 x 50	Centre	1530
		Top	652
		Bottom	703

Type of Conductor	Conductor cross sectional area mm <sup>2</sup>	Factor
<b>Solid</b>	1.5	8.0
	2.5	11.9
<b>Stranded</b>	1.5	8.6
	2.5	12.6
	4.0	16.6
	6.0	21.2
	10.0	35.3

For single-core PVC insulated cables in trunking.

For each cable to be used, obtain the cable factors from the table. Add all factors together and compare with the capacities given.

Any trunking with a space factor equal or larger than that of the total cable factors will satisfactorily accommodate the cables.

## TECHNICAL INFORMATION

Service outlets are provided by the insertion of accessory boxes to replace short lengths of the centre compartment cover. All services are mounted in the centre compartment using GX3821 Single or GX3822 Twin Accessory boxes.

Moulded internal corners, external corners and jointing pieces are fixed to the trunking body with countersunk self-tapping screws (these screws fix into the compartment dividing webs and do not enter the cable compartments) after the installation of cabling, accessory mounting and cover fitting. A base coupler and cover joint are required for every trunking joint. Self-tapping screws (which are concealed by screw caps) also fix end caps at the end of a trunking run.

Accessory boxes (GX3821 Single and GX3822 Twin) locate into the centre compartment. The removal of a section of cover the same length as the accessory boxes (70mm for GX3821; 135mm for GX3822) is required. The ends of the cut cover lengths must overlap the 'wings' of the accessory boxes. The accessories mask the cut ends of the covers.

Cable clips (GX3817 Top/Bottom and GX3818 Centre) are available for fixing into the compartments to retain cables within the trunking body.



\* Items are common to both Skirting and Dado Systems

Gilflex offers a broad range of conduit systems, including; round, oval, channel and corrugated conduit. All manufactured from high quality PVCu polymer.

- Available in a wide range of sizes
- Wide range of accompanying fittings to suit most applications
- Gilflex has the 'Klickfit' range of fittings for speed and ease of installation
- Durable and impact resistant

## HIGH IMPACT ROUND RIGID CONDUIT

Ref. No.	Standard Pack	Diameter
<b>HEAVY GAUGE</b>		
RG 16 BLK	90m (30x3m)	16mm
RG 20 WHI	90m (30x3m)	20mm
RG 20 BLK	90m (30x3m)	20mm
RG 25 WHI	90m (30x3m)	25mm
RG 25 BLK	90m (30x3m)	25mm
RG 50 WHI	30m (10x3m)	50mm
RG 50 BLK	30m (10x3m)	50mm

## OVAL RIGID CONDUIT

Ref. No.	Standard Pack	Size AxB
ROG 1 WHI	150m (50x3m)	13 x 8mm
ROG 2 WHI	150m (50x3m)	16 x 10mm
ROG 3 WHI	150m (50x3m)	22 x 11mm
ROG 4 WHI	150m (50x3m)	23.5 x 14mm
ROG 5 WHI	150m (50x3m)	28 x 11mm

## CHANNELLING

Ref. No.	Standard Pack	Size AxB
GC 1 WHI	225m (100x2.25m)	13 x 8mm
GC 2 WHI	225m (100x2.25m)	25 x 8mm
GC 3 WHI	225m (100x2.25m)	38 x 9.5mm
GC 12 WHI	100m (50x2m)	13 x 8mm
GC 22 WHI	100m (50x2m)	25 x 8mm
GC 32 WHI	100m (50x2m)	38 x 9.5mm



## PLIABLE CORRUGATED ROUND CONDUIT



Ref. No.	Size	Standard Pack
<b>PLIABLE CORRUGATED ROUND CONDUIT (SHOWN ABOVE)</b>		
GF 16 WHI	16mm	50m
GF 20 WHI	20mm	50m
GF 25 WHI	25mm	50m
<b>ADAPTORS</b>		
FAB 20 WHI	20mm	50
FAB 25 WHI	25mm	50

## CONDUIT ACCESSORIES

Ref. No.	Size	Std Pack
<b>TERMINAL SPOUT</b>		
B 24 *	20mm	20
B 26 *	25mm	10
<b>THROUGH SPOUT</b>		
B 34 *	20mm	20
B 36 *	25mm	10
<b>ANGLE SPOUT</b>		
B 44 *	20mm	20
B 46 *	25mm	10
<b>TEE 3 WAY SPOUT</b>		
B 54 *	20mm	20
B 56 *	25mm	10
<b>INTERSECTION 4 WAY SPOUT</b>		
B 64 *	20mm	20
B 66 *	25mm	10
<b>ADAPTORS PLAIN CONDUIT TO FEMALE THREAD</b>		
GFA 20 *	20mm	100
GFA 25 *	25mm	50
GFA 32 *	32mm	25
GFA 38 *	38mm	25
GFA 50 *	50mm	10
<b>ADAPTORS PLAIN CONDUIT TO MALE THREAD</b>		
GMA 20 *	20mm	100
GMA 25 *	25mm	50

Ref. No.	Size	Std Pack
<b>CLICKFIT SMALL INSPECTION BENDS</b>		
GIBS 20 *	20mm	25
GIBS 25 *	25mm	25
<b>CLICKFIT INSPECTION ELBOWS</b>		
GIE 20 *	20mm	25
<b>CLICKFIT INSPECTION TEES</b>		
GIT 20 *	20mm	25
GIT 25 *	25mm	25
<b>CLICKFIT SPACER SADDLE</b>		
GSB 20 *	20mm	100
GSB 25 *	25mm	100
<b>PLAIN BENDS</b>		
GPB 20 *	20mm	25
GPB 25 *	25mm	10
GPB 32 *	32mm	5
<b>THREADED MALE BUSHES</b>		
GB 20 *	20mm	100
GB 25 *	25mm	100
GB 50 *	50mm	50



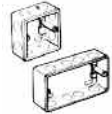


## CONDUIT ACCESSORIES



Ref. No.	Size	Std Pack
<b>SPOUT ADAPTORS</b>		
GSA 20 WHI	20mm	100
<b>PLAIN COUPLERS</b>		
GSC 20 *	20mm	100
GSC 25 *	25mm	100
GSC 50 *	50mm	25
<b>PLAIN REDUCERS</b>		
GR 1M *	16/20mm	50
GR 2M *	20/25mm	50
<b>LOCK RINGS</b>		
GL 20 *	20mm	100
GL 25 *	25mm	100
<b>SPACER BAR SADDLE</b>		
SB 20 *	20mm	100
SB 25 *	25mm	100
SB 50 *	50mm	25
<b>SPRING CLIP SADDLE</b>		
SCS 20 *	20mm	100
<b>CLIP FIXINGS FOR OVAL CONDUIT</b>		
GOC 11 WHI	ROG 1	100
GOC 12 WHI	ROG 2	100
GOC 13 WHI	ROG 3	100
GOC 15 WHI	ROG 5	100

Ref. No.	For Cable Diam.(mm)	Thread Size	Std Pack
<b>NYLON CABLE GLANDS</b>			
GCG 16 WHI	4-7	16mm	100
GCG 21 *	4-7	20mm	100
GCG 22 *	7-10.5	20mm	100
GCG 23 *	8-13	20mm	100




\* Add suffix WHI for White, BLK for Black  
e.g. to order a pack of white 20mm Terminal Spouts, ask for Ref. No. B 24 WHI.

## CONDUIT BOXES

Ref. No.	Size	Std Pack	
CIRCULAR BOX LIDS			
GS 175 *	66mm	100	
DRY LINING BOXES			
37MM EXT. DEPTH			
GDL 1 WHI	Single	25	
GDL 2 WHI	Twin	10	
FLUSH SWITCH / SOCKET BOXES			
32MM EXT. DEPTH, 8X20MM ROUND KNOCKOUTS			
GSU 811ML	Single	25	
GSU 821ML	Twin	10	
ADAPTABLE PVC BOXES			
PLAIN SIDES			
AGB2 *	75 x 75 x 50	5	
EARTH ELECTRODE BOX			
GEB1 BLK	75 x 75 x 70	5	

Ref. No.	Corners	Std Pack	
<b>SINGLE SURFACE SWITCH/SOCKET BOXES</b>			
32MM EXT. DEPTH, 2X20MM ROUND KNOCKOUTS			
GSU 1311	Square	25	
GSU 1312	Round	25	
<b>DOUBLE SURFACE SWITCH/SOCKET BOXES</b>			
32MM EXT. DEPTH, 3X20MM ROUND KNOCKOUTS			
GSU 1321	Square	10	
GSU 1322	Round	10	

## CONDUIT SUNDRIES

Ref. No.	Size	Std Pack	
<b>BENDING SPRINGS</b>			
GREEN HEAVY GAUGE			
GSS 20	For RG 20	Each	
GSS 25	For RG 25	Each	
<b>NYLON DRAW TAPES</b>			
GD 30	30m	Each	
<b>DRY LINING FIXING</b>			
TP 12	35mm	100	

\* Add suffix WHI for White, BLK for Black e.g. to order a pack of white 20mm Terminal Spouts, ask for Ref. No. B 24 WHI.

### TECHNICAL INFORMATION

Gilflex conduits and fittings are manufactured in accordance with the relevant British Standards.

#### BS 6099 Conduits for Electrical Installations

Part 1 Specification of general requirements

#### BS 4607 Non-metallic Conduit Fittings for Electrical Installations

Part 1 Specification for fittings and components of insulating material

The criteria for conduit is the diameter, all conduit manufactured to the BS is measured on its outside diameter (also described as O/D or Ø). This ensures compatibility between all conduits and fittings.

PVCu conduit can be bent as required; for smaller sized conduits up to 25mm a bending spring is the simplest method, for larger sizes a bending machine with formers is ideal. In cold weather a gentle warming of the conduit assists the bending process. Excessive heating must be avoided – the conduit will deform. Spring pulled bends should be formed over the largest possible radius. Do not attempt to pull a tight bend in one action.

When conduit is inserted into box termination spouts, adaptors etc., no additional fixing is required.

The range of Gilflex **KlickFit** fittings improves the ease of installation and the finished appearance. There are no screws to lose or corrode. The range comprises of **Spacer Saddles, Inspection Bends, Inspection Elbows and Inspection Tees** for 20mm conduit sizes. A similar range exists for 25mm conduit with the exception of an Inspection Elbow.

A major advantage of the Spacer Saddles (**GSB20 and GSB25**) is the ability to close gang conduits. Because the saddle base is only slightly bigger than the diameter of the conduit, unlike conventional spacer bar saddles, which require more than twice the space occupied by the conduit, two conduits can be installed as parallel runs with minimum space between them. It is also possible for the spacer saddles to be mounted in a straight line. To reduce the distance between conduits using conventional saddles, the saddles have to be offset or staggered.

**Conduit Reducers** (GR1M and GR2M) must be used in conjunction with a coupler (GSC), an adaptor (GFA-GMA) or a spout of a conduit box (B24-66).

### AGB ADAPTABLE BOXES

The AGB 2 (75 x 75 x 50mm) provides the means of producing multiple configurations of boxes for 32mm, 38mm and 50mm systems. The simple expedient of using a GFA (female adaptor) of the appropriate size in any of the four walls or base will provide termination, angle, tee, through and intersection variants and, if required, conduit size reduction without the need for reducers.



Gilflex Mini-Trunking 'GT Range' is available in standard white finish and red, suitable for fire alarm or security cabling recognition.

The range has been specifically designed with the domestic and commercial installation in mind

- Available in a wide range of sizes
- Wide range of accompanying fittings
- Moulded corners and couplers clip over the trunking, eliminating the need for precision cutting, reducing installation time
- Range of smaller trunking sizes and a wide range of self adhesive sizes are also available

### MINI-TRUNKING

Ref. No.	Size	Standard Pack
<b>HOMELINE MINI-TRUNKING</b>		
HL 1809 WHI	18 x 9mm	60m (20x3m)
<b>SELF-ADHESIVE HOMELINE MINI-TRUNKING</b>		
HLS 1809 WHI	18 x 9mm	60m (20x3m)
<b>GT RANGE TRUNKING</b>		
GT 1 WHI	16 x 16mm	90m (30x3m)
GT 2 WHI	25 x 16mm	90m (30x3m)
GT2 RED	25 x 16mm	90m (30x3m)
GT 3 WHI	40 x 16mm	60m (20x3m)
GT 4 WHI	40 x 25mm	45m (15x3m)
GT 5 WHI	40 x 40mm	45m (15x3m)
GT 6 WHI	50 x 25mm	30m (10x3m)
GT 8 WHI	50 x 50mm	12m (4x3m)
<b>SELF-ADHESIVE GT RANGE TRUNKING</b>		
GTS 0 WHI	11 x 8mm	60m (20x3m)
GTS 1 WHI	16 x 16mm	60m (20x3m)
GTS 2 WHI	25 x 16mm	60m (20x3m)
GTS 3 WHI	40 x 16mm	60m (20x3m)
GTS 4 WHI	40 x 25mm	30m (10x3m)
<b>DIVIDED GT RANGE TRUNKING</b>		
GT 32 WHI	40 x 16mm	30m (10x3m)
GT 42 WHI	40 x 25mm	30m (10x3m)



### CABLE CAPACITIES

To conform to the requirements of IEE Regulations, power cables must not occupy more than 45% of the area available within a trunking section.

Order Ref. No.	Trunking Size mm	45% Space factor mm <sup>2</sup>
GT1	16 x 16	67
GT2	25 x 16	120
GT3	40 x 16	209
GT4	40 x 25	360
GT5	40 x 40	585
GT6	50 x 25	422
GT8	50 x 50	898
HL1809	18 x 9	55


Type of Conductor	Conductor cross sectional area mm <sup>2</sup>	Factor
Solid	1.5	8.0
	2.5	11.9
Stranded	1.5	8.6
	2.5	12.6
	4.0	16.6
	6.0	21.2
	10.0	35.3

For single-core PVC insulated cables in trunking.





















For each cable to be used, obtain the cable factors from the table. Add all factors together and compare to the capacities given.




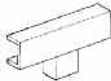

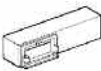

Any trunking with a space factor equal or larger than that of the cable factors will satisfactorily accommodate the cables.

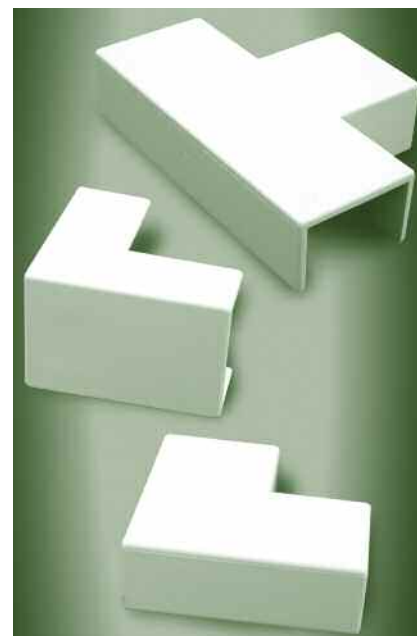
## FITTINGS FOR 18x9mm HOMELINE SYSTEM

Ref. No.	Standard Pack	
<b>END CAP</b>		
HL 1807 WHI	10	

## FITTINGS FOR GT RANGE

Ref. No.	Size	Std Pack	
INTERNAL ELBOWS			
IA 1 WHI	16 x 16mm	20	
IA 2 WHI	25 x 16mm	20	
IA 3 WHI	40 x 16mm	10	
IA 4 WHI	40 x 25mm	10	
IA 5 WHI	40 x 40mm	10	
IA 6 WHI	50 x 25mm	10	
IA 8 WHI	50 x 50mm	5	
IA 22 WHI	25 x 25mm	20	
EXTERNAL ELBOWS			
EA 1 WHI	16 x 16mm	20	
EA 2 WHI	25 x 16mm	20	
EA 3 WHI	40 x 16mm	10	
EA 4 WHI	40 x 25mm	10	
EA 5 WHI	40 x 40mm	10	
EA 6 WHI	50 x 25mm	10	
EA 8 WHI	50 x 50mm	10	
FLAT ELBOWS			
FA 1 WHI	16 x 16mm	20	
FA 2 WHI	25 x 16mm	20	
FA 3 WHI	40 x 16mm	10	
FA 4 WHI	40 x 25mm	10	
FA 5 WHI	40 x 40mm	10	
FA 6 WHI	50 x 25mm	10	
FA 8 WHI	50 x 50mm	5	
FLAT TEES			
T 1 WHI	16 x 16mm	10	
T 2 WHI	25 x 16mm	10	
T 3 WHI	40 x 16mm	10	
T 4 WHI	40 x 25mm	10	
T 5 WHI	40 x 40mm	10	
T 6 WHI	50 x 25mm	10	
T 8 WHI	50 x 50mm	5	
EXTERNAL COUPLERS			
C 1 WHI	16 x 16mm	20	
C 2 WHI	25 x 16mm	20	
C 8 WHI	50 x 50mm	10	
INTERNAL COUPLERS			
C 3 WHI	40 x 16mm	10	
C 4 WHI	40 x 25mm	10	
C 5 WHI	40 x 40mm	10	
C 6 WHI	50 x 25mm	10	

Ref. No.	Size	Std Pack	
EXTERNAL END CAPS			
SE 8 WHI	50 x 50mm	10	
INTERNAL END CAPS			
SE 1 WHI	16 x 16mm	20	
SE 2 WHI	25 x 16mm	20	
SE 2 RED	25 x 16mm	20	
SE 3 WHI	40 x 16mm	20	
SE 4 WHI	40 x 25mm	20	
SE 5 WHI	40 x 40mm	20	
CEILING TEES			
CT 11 WHI	16 x 16mm	10	
CT 21 WHI	25 x 16mm	10	
REDUCING TEES			
RT 21 WHI	25 x 16mm to 16 x 16mm	10	
RT 32 WHI	40 x 25mm to 25 x 16mm	10	
CIRCULAR BOX			
CB 123 WHI	16 x 16mm 25 x 16mm 40 x 16mm	10	
TANGENT ADAPTOR			
TA 1 WHI	16 x 16mm	10	
TA 2 WHI	25 x 16mm	10	
TA 3 WHI	40 x 16mm	10	
BOX ENTRY ADAPTOR			
BE 11 WHI	GT 1	20	
BE 21 WHI	GT 2	20	
BE 31 WHI	GT 3	25	



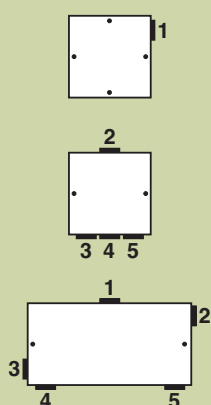
## SURFACE BOXES FOR GT RANGE - SQUARE CORNERS

Ref. No.	Internal Depth	Fixing Centre	Pack	
<b>SINGLE BOX - ONE ENTRY</b>				
GTO 1251 WHI	25mm	60.3mm	25	
<b>SINGLE BOX - TWO ENTRIES</b>				
GTO 1254 WHI	25mm	60.3mm	25	
<b>SINGLE BOX - THREE ENTRIES</b>				
GTO 1321 WHI	32mm	60.3mm	10	
<b>TWIN BOX - THREE ENTRIES</b>				
GTO 1255 WHI	25mm	120.6mm	10	
<b>TWIN BOX - THREE ENTRIES</b>				
GTO 1257 WHI	25mm	120.6mm	10	
<b>TWIN BOX - ONE ENTRY</b>				
GTO 1322 WHI	32mm	120.6mm	10	
<b>TWIN BOX - THREE ENTRIES</b>				
GTO 1411 WHI	41mm	120.6mm	10	

## SURFACE BOXES FOR GT RANGE - RADIUS CORNERS

Ref. No.	Internal Depth	Fixing Centre	Pack	
<b>SINGLE BOX - ONE ENTRY</b>				
GTO 2252 WHI	25mm	60.3mm	25	
<b>SINGLE BOX - ONE ENTRY</b>				
GTO 2253 WHI	25mm	60.3mm	25	
<b>SINGLE BOX - ONE ENTRY</b>				
GTO 2323 WHI	32mm	60.3mm	25	
<b>TWIN BOX - THREE ENTRIES</b>				
GTO 2256 WHI	25mm	120.6mm	10	
<b>TWIN BOX - THREE ENTRIES</b>				
GTO 2324 WHI	32mm	120.6mm	10	

### GTO BOX ENTRY POSITIONS



Box Ref.	Entry Ref.
GTO1251	1
GTO2252	1
GTO2553	4
GTO1254	2-4
GTO1321	2-3-5
GTO2323	4
GTO1255	1-2-3
GTO2256	1-2-3
GTO1257	1-4-5
GTO1322	1
GTO2324	1-2-3
GTO1411	1-2-3

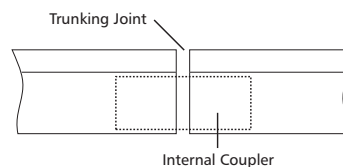
All entries accept box entry adaptors BE11, BE21 and BE31

### MINI-TRUNKING INSTALLATION PLANNING

GT1-6 inc. GT8 are available with a full range of moulded fittings. To maintain insulated integrity when using moulded fittings, the trunking base should be mitred at the corners. If cabling is to be double insulated, square cut or butt corners can be made, the moulded fitting will mask the butt joint.

External clip-over couplers are available for GT1, GT2 and GT8. All other mini-trunking uses internal couplers, where internal couplers are used the trunking cover should over-run the joint between two body sections.

Eg:



Side view showing trunking base and lid with butt joint. Dotted lines indicate position of coupler.

The trunking base should be cut to the required length and fixed to the wall, ceiling etc. After fitting the base, the cabling can be installed using the moulded fittings to retain the cables in the base. The trunking cover should be cut to suit.

Fit the cover adjacent to one fitting and slide under the fitting to the location tab. Press home the cover along the base, guiding the free end under the next fitting, and press home the cover to complete the installation.

Gilflex Commercial Trunking is made from high-impact PVCu and is designed to cope with the rigours of the factory and office.

- A complete range of sizes and fittings is available as well as divided sections to provide service segregation
- Accessory plates enable standard sockets to be fitted into TC5

Ref. No.	Size	Standard Pack	Colour
<b>COMMERCIAL &amp; INDUSTRIAL TRUNKING</b>			
TC1 WHI	75 x 38mm	12m (4x3m)	White
TC3 WHI	75 x 75mm	12m (4x3m)	White
TC4 WHI†	100 x 100mm	6m (2x3m)	White
TC5 WHI	100 x 50mm	12m (4x3m)	White
TC11 WHI	75 x 50mm	12m (4x3m)	White
TC50 WHI	50 x 50mm	12m (4x3m)	White

† TC4 (100 x 100mm) should only be used as a feeder trunking. Accessories **MUST NOT BE USED** with this trunking.



## DADO TRUNKING

TC 5 100 x 50mm trunking can be utilised to produce a simple Dado Trunking. Used in conjunction with self-adhesive PVCu Angles, Plain Interior Fittings and Shrouded Mounting Boxes (see page 13), a complete system may be achieved.

## CABLE CAPACITIES

To conform to the requirements of IEE Regulations, power cables must not occupy more than 45% of the area available within a trunking section.

Order Ref. No.	Trunking Size mm	45% Space factor mm <sup>2</sup>
TC1	75 x 38	1097
TC3	75 x 75	2256
TC4	100 x 100	4113
TC5	100 x 50	1930
TC11	75 x 50	1375
TC50	50 x 50	917

Type of Conductor	Conductor cross sectional area mm <sup>2</sup>	Factor
<b>Solid</b>	1.5	8
	2.5	11.9
<b>Stranded</b>	1.5	8.6
	2.5	12.6
	4.0	16.6
	6.0	21.2
	10.0	35.3

For single-core PVC insulated cables in trunking.

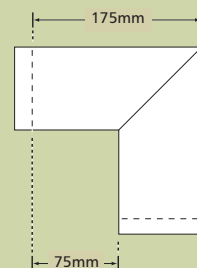
For each cable to be used, obtain the cable factors from the table. Add all factors together and compare to the capacities given.

Any trunking with a space factor equal or larger than that of the cable factors will satisfactorily accommodate the cables.

## COMMERCIAL AND INDUSTRIAL TRUNKING INSTALLATION PLANNING

1. Allow for one coupler (IC) for every 3m length.
2. Allow for two couplers (IC) for every elbow and bend (EEI, EEO and FE).
3. Allow for three couplers (IC) for every tee (ETI, ETO and FT).
4. The nominal inside leg dimensions of all fittings is 75mm. Allowance for fittings should be trunking width plus 75mm (e.g. TC5 – 100 x 50mm plus FE5 Flat Elbow 100 + 75mm = 175mm).

Eg: FE5



Plan view of flat elbow showing lid and base mitre. Dotted lines indicate end of base section with overlapping lid

5. Lid sections supplied with fittings are mitre guides. Full-length lid should be mitred to suit fitting and over-run joint between trunking and fitting.
6. Fittings for use with divided trunking are plain interior type (e.g. FE5) and must be divided when installed. For divider, use GA2545 for 50mm deep trunking and GA3838 for 38mm deep trunking.
7. Internal Couplers (IC) should be solvent welded to the trunking body. If expansion or contraction of the trunking is possible, the coupler should only be welded to one trunking body and be allowed to slide in the adjacent section as a fishplate.
8. When solvent welding couplers etc., the area to be welded should be cleaned of all impurities to ensure complete welding. Use a liquid cleaner or alternatively clean mating surfaces with fine emery paper or a smooth file.
9. After installation, clean the trunking with a detergent-based cleaner.

## PLAIN INTERIOR FITTINGS

Ref. No. Size mm Trunking Pack Ref.

### EDGE ELBOW INSIDE COVER

EEI 1 WHI	75 x 38	TC1	5
EEI 3 WHI	75 x 75	TC3	5
EEI 4 WHI	100 x 100	TC4	2
EEI 5 WHI	100 x 50	TC5	5
EEI 11 WHI	75 x 50	TC11	5
EEI 50 WHI	50 x 50	TC50	5



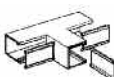
### EDGE ELBOW OUTSIDE COVER

EEO 1 WHI	75 x 38	TC1	5
EEO 3 WHI	75 x 75	TC3	5
EEO 4 WHI	100 x 100	TC4	2
EEO 5 WHI	100 x 50	TC5	5
EEO 11 WHI	75 x 50	TC11	5
EEO 50 WHI	50 x 50	TC50	5



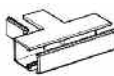
### EDGE TEE INSIDE COVER

ETI 1 WHI	75 x 38	TC1	2
ETI 3 WHI	75 x 75	TC3	2
ETI 4 WHI	100 x 100	TC4	2
ETI 5 WHI	100 x 50	TC5	2
ETI 11 WHI	75 x 50	TC11	2
ETI 50 WHI	50 x 50	TC50	2



### EDGE TEE OUTSIDE COVER

ETO 1 WHI	75 x 38	TC1	2
ETO 3 WHI	75 x 75	TC3	2
ETO 4 WHI	100 x 100	TC4	2
ETO 5 WHI	100 x 50	TC5	2
ETO 11 WHI	75 x 50	TC11	2
ETO 50 WHI	50 x 50	TC50	2



Ref. No. Size mm Trunking Pack Ref.

### FLAT ELBOW

FE 1 WHI	75 x 38	TC1	2
FE 3 WHI	75 x 75	TC3	2
FE 4 WHI	100 x 100	TC4	2
FE 5 WHI	100 x 50	TC5	2
FE 11 WHI	75 x 50	TC11	2
FE 50 WHI	50 x 50	TC50	2



### FLAT TEE

FT 1 WHI	75 x 38	TC1	2
FT 3 WHI	75 x 75	TC3	2
FT 4 WHI	100 x 100	TC4	2
FT 5 WHI	100 x 50	TC5	2
FT 11 WHI	75 x 50	TC11	2
FT 50 WHI	50 x 50	TC50	2



### END CAPS

EC 1 WHI	75 x 38	TC1	10
EC 3 WHI	75 x 75	TC3	10
EC 4 WHI	100 x 100	TC4	10
EC 5 WHI	100 x 50	TC5	10
EC 11 WHI	75 x 50	TC11	10
EC 50 WHI	50 x 50	TC50	10



### INTERNAL CONNECTOR

IC 1 WHI	75 x 38	TC1	10
IC 3 WHI	75 x 75	TC3	10
IC 4 WHI	100 x 100	TC4	10
IC 5 WHI	100 x 50	TC5	10
IC 11 WHI	75 x 50	TC11	10
IC 50 WHI	50 x 50	TC50	10



## DIVIDED INTERIOR INDUSTRIAL TRUNKING

A range of self-adhesive dividing angles allows for on-site installation of dividers. Using self-adhesive angles allows for greater versatility of divisions to be produced, better suited to actual requirements.

## PLAIN INTERIOR ACCESSORIES

Ref. No. Size Pack

### PVC DIVIDING ANGLES

GASA 2545 WHI*	25 x 45mm	12m
GASA 3838 WHI†	34 x 34mm	12m
GA 2525 WHI	25 x 25mm	12m
GA 2545 WHI	25 x 45mm	12m
GA 3838 WHI	34 x 34mm	12m



Ref. No. Size Use with Pack

### SINGLE SHROUD BOX

TOB21 WHI	60.3mm	(TC5) (TC10)	25
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25mm deep



### TWIN SHROUD BOX

TOB22 WHI	120.6mm	(TC5) (TC10)	10
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25mm deep



\* GASA 2545 is a 25 x 45mm angle, for use in TC5 (100 x 50mm) trunking. The adhesive is on the 25mm face. Three GASA angles will produce four compartment trunking.

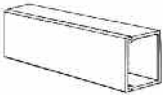
† GASA 3838 is a 34 x 34mm angle, for use in TC1 (75 x 38mm) trunking. Two GASA angles will produce three compartment trunking.



## PIPE COVERS &amp; ENCLOSURES

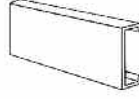
Provides an ideal solution to enclose all types of surface – run pipes, producing a quick, clean and neat installation.

- Manufactured from rigid PCV – with a smooth white finish.
- Robust and durable system to enclose pipes.
- 'GT' mini trunking accessory range fully complements both these systems to provide a truly versatile range.

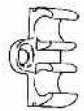
Ref. No.	Size	To Suit	Pack
<b>ENCLOSURE SYSTEM</b>			
			
GE 4025 WHI	40 x 25mm	2 x 8/10mm	50m (20x2.5m)
GE 5032 WHI	50 x 32mm	2 x 15mm	25m (10x2.5m)
GE 7538 WHI	75 x 38mm	2 x 22mm	10m (4x2.5m)

Ref. No.	Size mm	To Suit	Pack
<b>ENCLOSURE PIPE CLIPS</b>			
PC 10 WHI	2 x 8/10	GE4025	50
PC 15 WHI	2 x 15	GE5032	50
PC 22E WHI	2 x 22	GE7538	50



Ref. No.	Size	To Suit	Pack
<b>COVER SYSTEM</b>			
			
GPC 8 WHI	44 x 22mm	2 x 8/10mm	50m (20x2.5m)
GPC 9 WHI	54 x 22mm	2 x 15mm	50m (20x2.5m)
GPC 10 WHI	68 x 35mm	2 x 22mm	25m (10x2.5m)

Ref. No.	Size mm	To Suit	Pack
<b>COVER PIPE CLIPS</b>			
PC 8E WHI	2 x 8mm	GPC8	50
PC 10E WHI	2 x 10mm	GPC8	50
PC 15E WHI	2 x 15mm	GPC9	50
PC 22E WHI	2 x 22mm	GPC10	50



Pipe clips are not interchangeable between systems.  
Please ensure that the correct clips are specified.

## TECHNICAL INFORMATION

The Pipe Cover System requires four clips for every 2.5m length of cover, one at 300mm from each end and then at 950mm pitches. Directional changes for the cover system require the corner to be mitred. For the Enclosure System, a full range of fittings is available: internal corners, external corners, flat elbows, end caps etc. can be used from our range of trunking accessories. For assistance, please contact our Basildon Sales Office.







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**Gilflex**

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Tech Helpline Tel 01268 563720

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**UK** The Arnold Centre Paycocke Road Basildon Essex SS14 3EA United Kingdom

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# MK Cable Management: The Sustainable Choice



## Sustainability is a key priority for MK

The MK Electric Cable Management portfolio provides excellent performance, quality & aesthetic appeal but did you know that our products have been developed with up to 90% recycled content\*, are recyclable and manufactured in the UK?

Sustainable sourcing & disposal of materials is a key construction industry consideration. The MK Electric Cable Management product portfolio is the sustainable choice.

## Sustainable Sourcing

### REDUCED CARBON IMPACT

Environmental responsibility is a key consideration for MK in the procurement of our materials.

- Considerable energy is used in processing of virgin material. It is estimated that the reprocessing of recycled material results in 94% saving of CO<sub>2</sub> emissions<sup>†</sup> compared to the use of virgin PVC material.
- The MK Cable Management portfolio has been developed with up to 90% recycled content\*



### AVOIDING LANDFILL

The construction industry is responsible for some 120 million tonnes of waste per annum - around one third of the UK total. The specification of MK Cable Management solutions can assist you and your customers to achieve Construction Waste Commitment targets & can be factored in to Site Waste Management Plans.

- The use of recycled material by MK in 2008 directly saved over 6,000 tonnes of waste PVC from being sent to landfill
- Revenue from MK purchases made it feasible for an estimated additional 6,000 tonnes of bi-product to be recycled
- MK packaging is designed to be minimal & aid recycling
- MK products have innovative snap together modular designs. At the end of their useful life, products can be easily be dismantled, collected & recycled.

By choosing MK, you are supporting the aims of Vinyl 2010 to increase the total recycling of PVC across Europe.



**“We are delighted that MK Electric are taking the industry lead in their sustainable approach to material selection”**

Roger Morton, Recovynyl

\* Based on 2008 volume †Estimated by Axion Recycling



# MK Cable Management: The Sustainable Choice



## ENVIRONMENTAL RESPONSIBILITY

Suppliers of electrical accessories are increasingly sourcing materials from abroad. Often there is no way of knowing exactly how products are produced or at what cost, human or environmental.

The MK approach provides peace of mind for you & your customers

- The MK Cable Management portfolio is manufactured in the UK at St Asaph, North Wales.

Our UK manufacturing sites are accredited to:

- ISO 9001 Quality Management System
- ISO 14001 Environmental Management System
- OHSAS 18001 Occupational Health & Safety Management System



## Performance

The rigorous performance requirements of first use application mean that MK extruded Cable Management products typically have greater mechanical strength and enhanced resistance to UV compared to common virgin materials.

Our Prestige 3D range delivers significant unique features & benefits to customers. Not only is it 40% faster to install, it also features in the WRAP Recycled Product Guide which recognises construction materials with significant recycled content.

MK Electric has led the way in quality, reliability and safety since 1919 and delivers sustainable environmental benefits with no compromise of aesthetic, performance or product quality. We supply our products with a 10 year guarantee.

With all these benefits and a 10 year product guarantee, MK Electric Cable Management is the sustainable choice.



**The MK Electric Cable Management product portfolio is the sustainable choice**

