

Cable Management Range Brochures



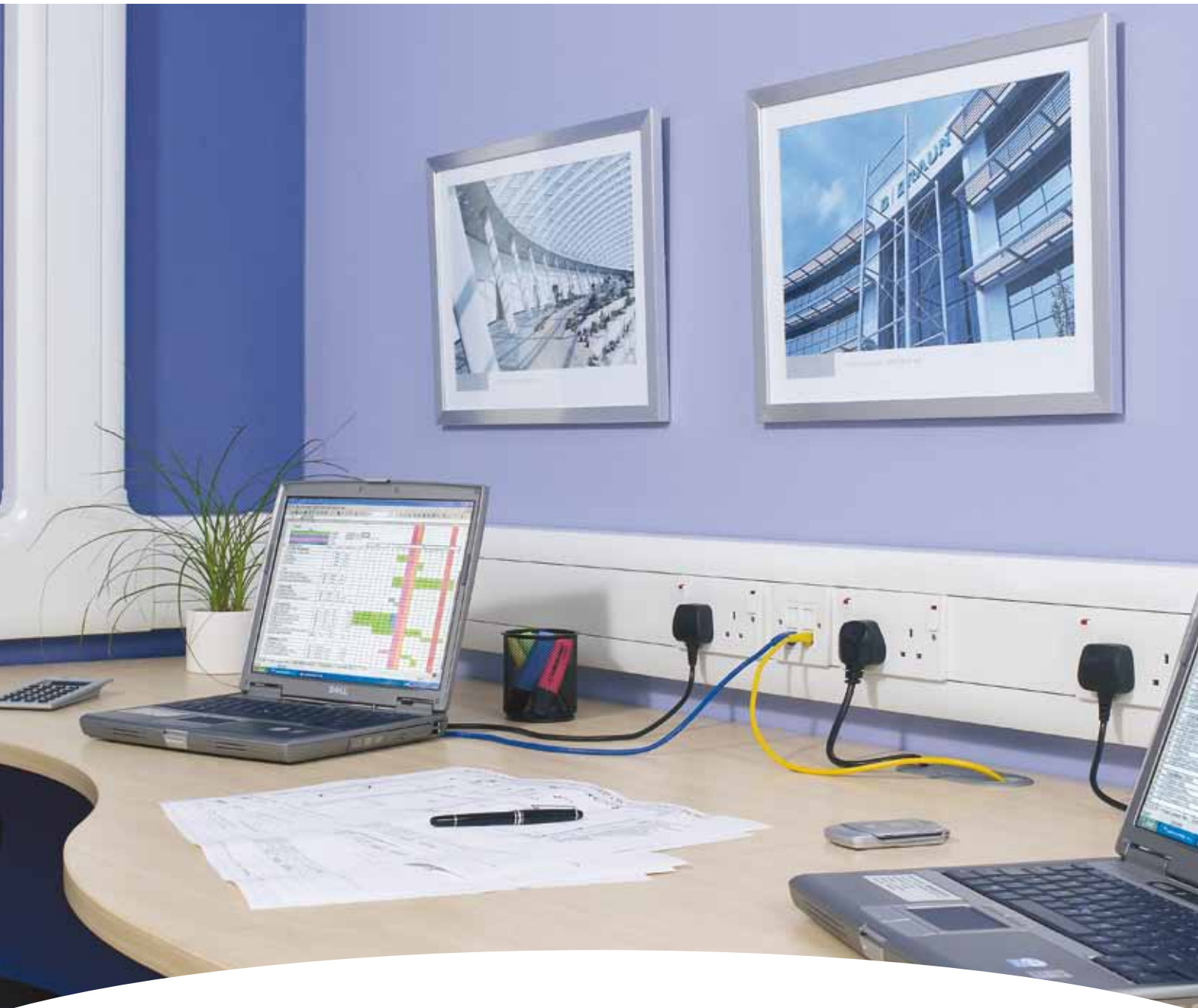
Prestige 3D Brochure
3 Compartment Trunking with greater depth for Cat 5e/6/7 compliance



**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

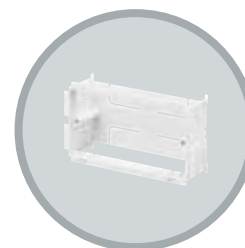
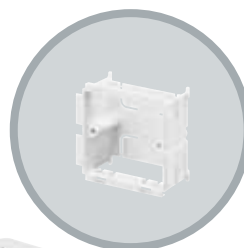
Neatly finishes runs of trunking. (Moulding provides internal location for extra security from optional screw fixing).

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 +/- 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

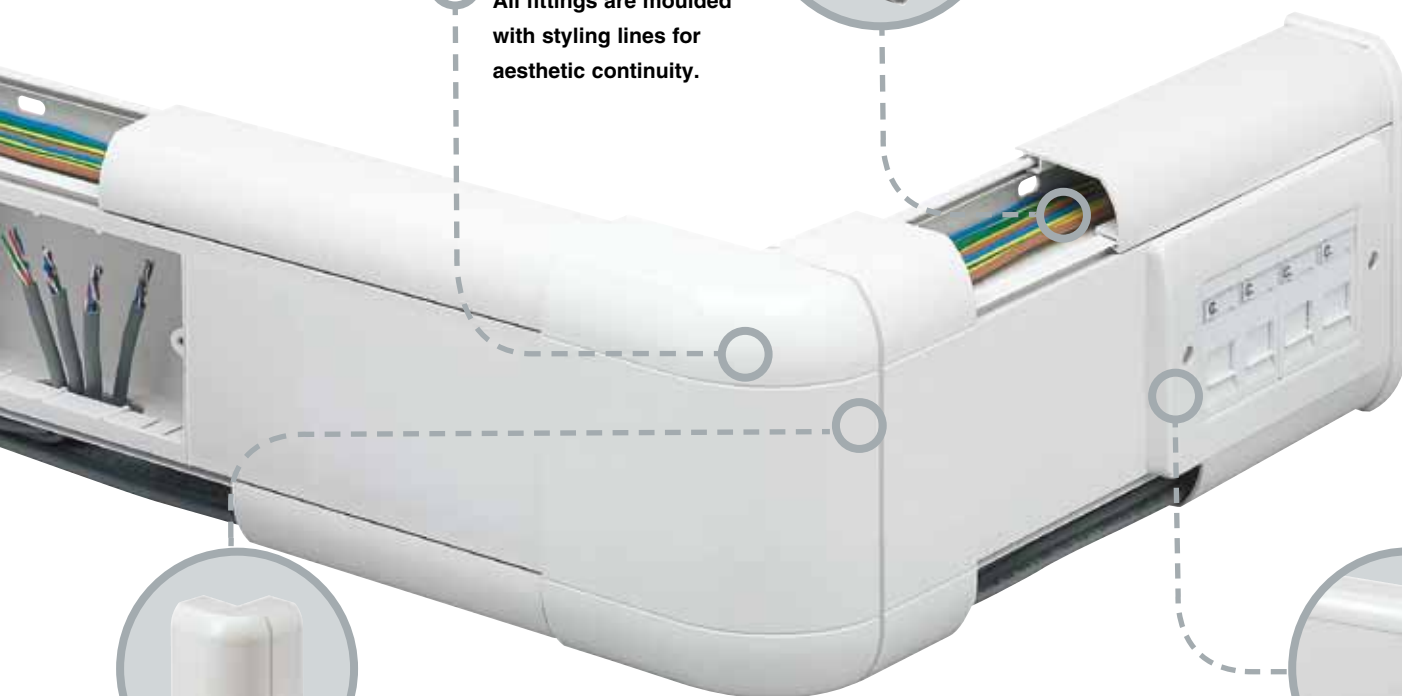
Additional data cable/signal protection is provided by fitting screening divider VP30.

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

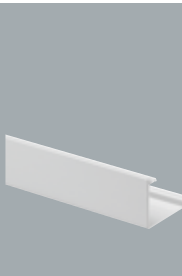
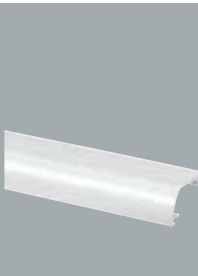
3 METRES 6m

3 METRES 30m

3 METRES 30m

3 METRES 30m

2



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

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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

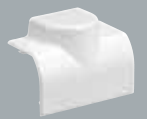
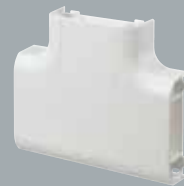
CONSISTS OF COVER AND CARRIER

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



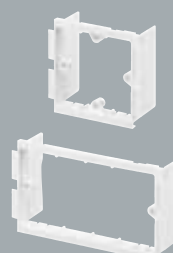
VX40 CHA 20
VX40 BLU 20
 1 GANG MOUNTING FLANGE
VX41 CHA 10
VX41 BLU 10
 2 GANG SOCKET SPACER
 Provides colour contrast with wiring device to comply with Part M.
 Visible width is 25mm after installation.

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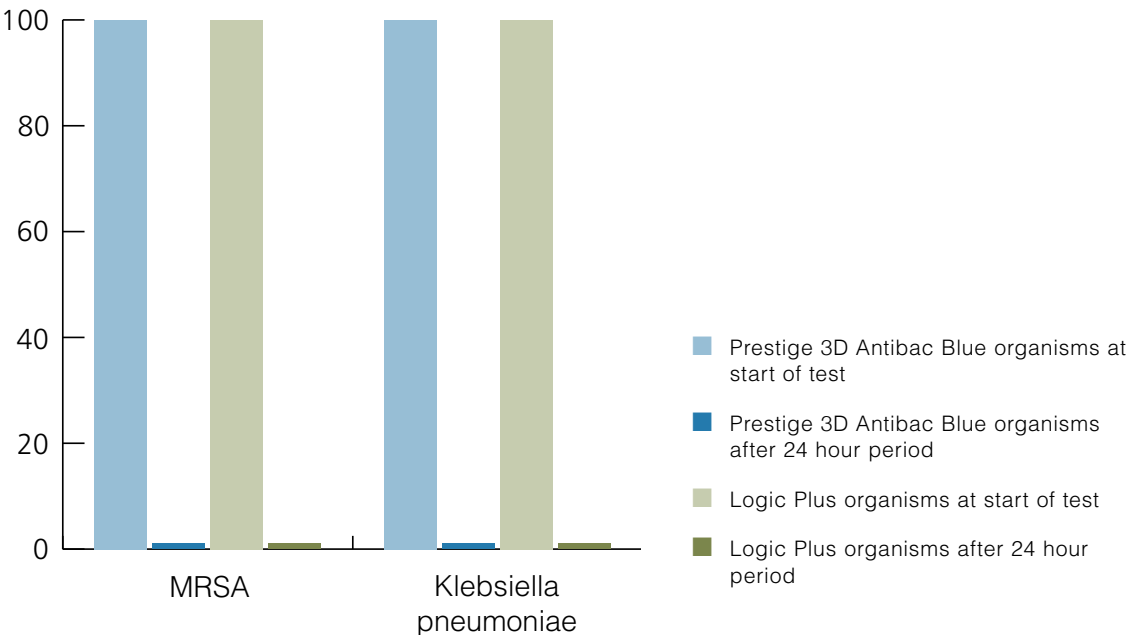
MK Electric have commissioned independent tests to verify the antibacterial properties of Prestige 3D Antibac Blue. The results, collected over a 24 hour period shows results of >99.9% kill rates on the organisms MRSA, and Klebsiella pneumoniae.

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

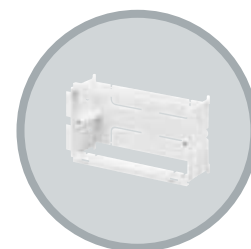
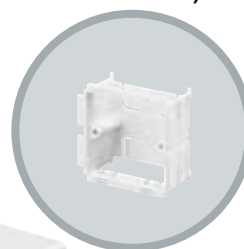
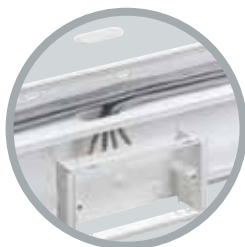
Neatly finishes runs of trunking. (Moulding provides internal location for extra security from optional screw fixing).

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.

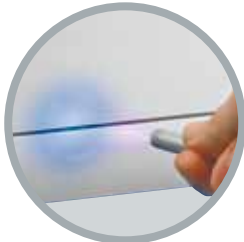


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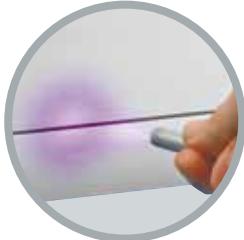
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UNIQUE FLUORESCENCE

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.



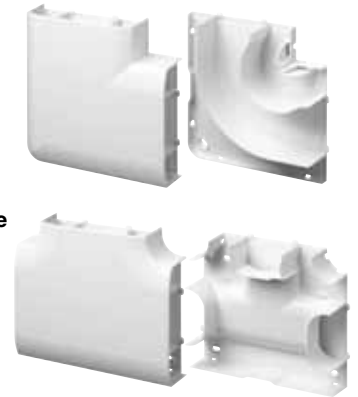
Prestige 3D Antibac Blue



Prestige 3D

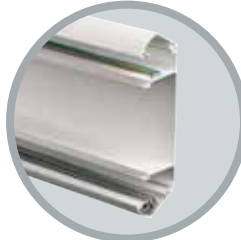
FLAT TEES AND ANGLES

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.



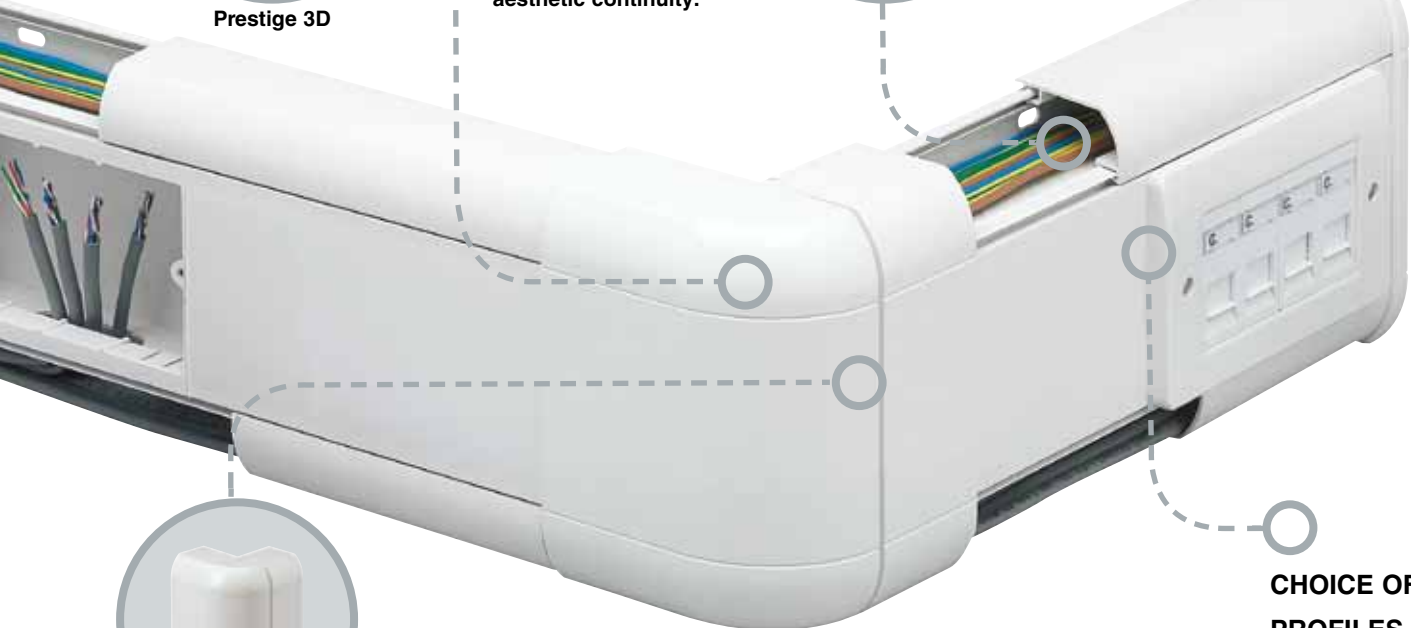
TRUNKING HINGE LIDS

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

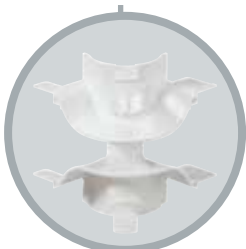
Available in Dado and Skirting profiles to suit most installations.

ELECTROMAGNETIC INTERFERENCE

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



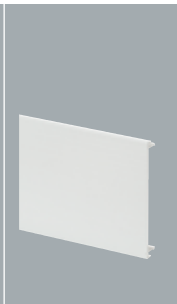

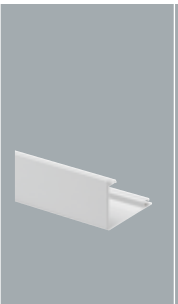




EXTERNAL CORNER

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
							
DADO 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
Skirting 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

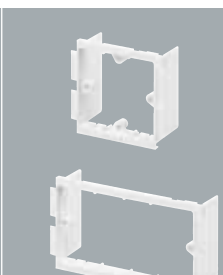
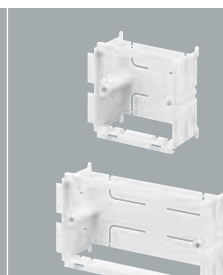
Flange and
Socket Spacer

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

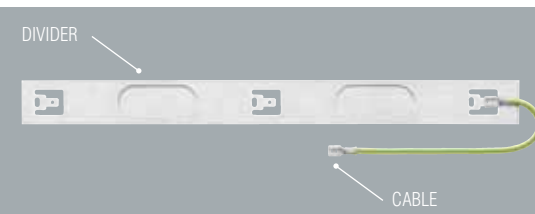
Flat Angle Up
VPAB195
WHI

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 knockouts 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

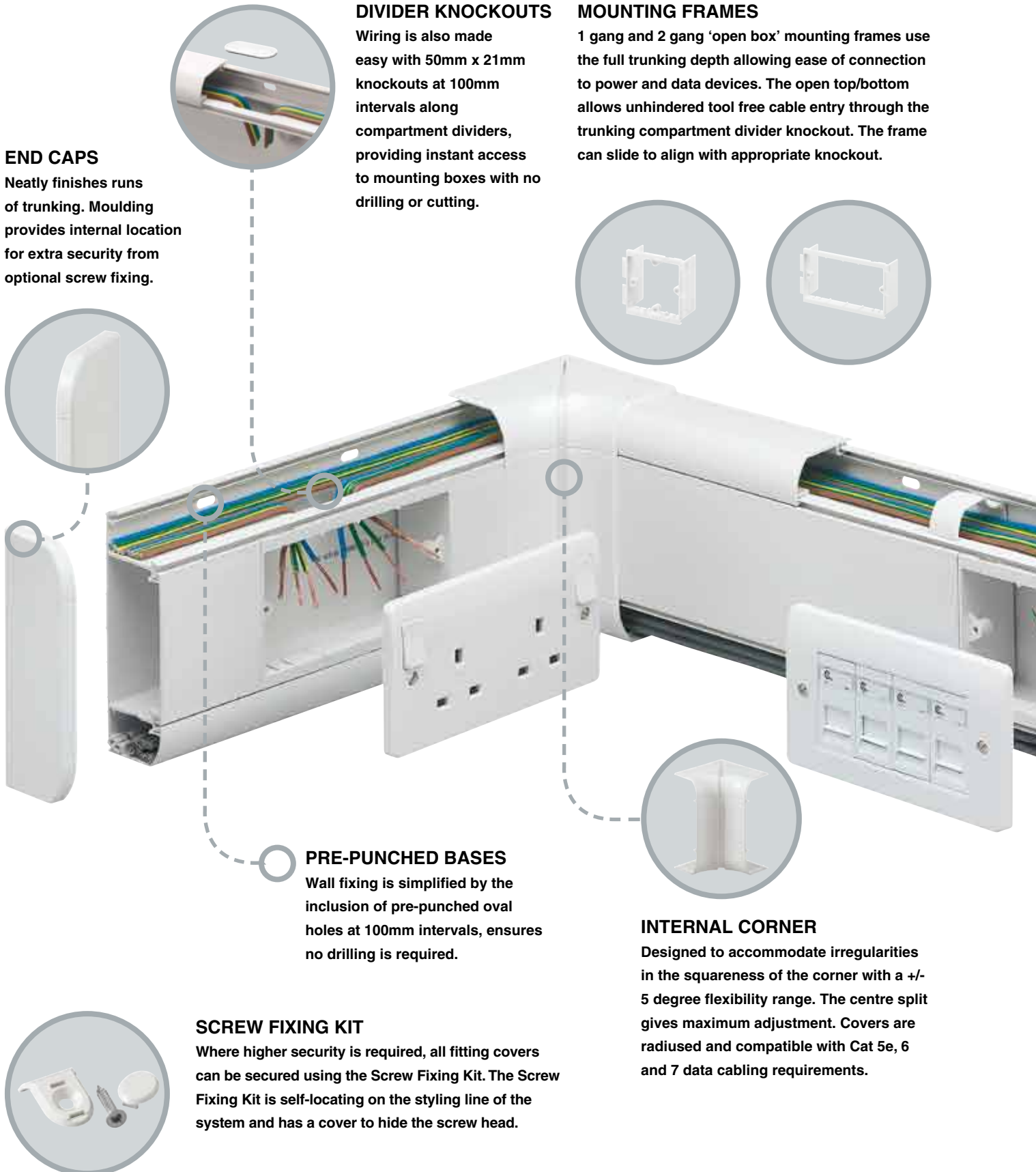
Wall fixing is simplified by the inclusion of pre-punched oval holes at 100mm intervals, ensures no drilling is required.

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.

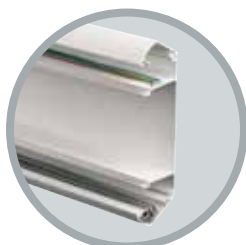


ELECTROMAGNETIC INTERFERENCE

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

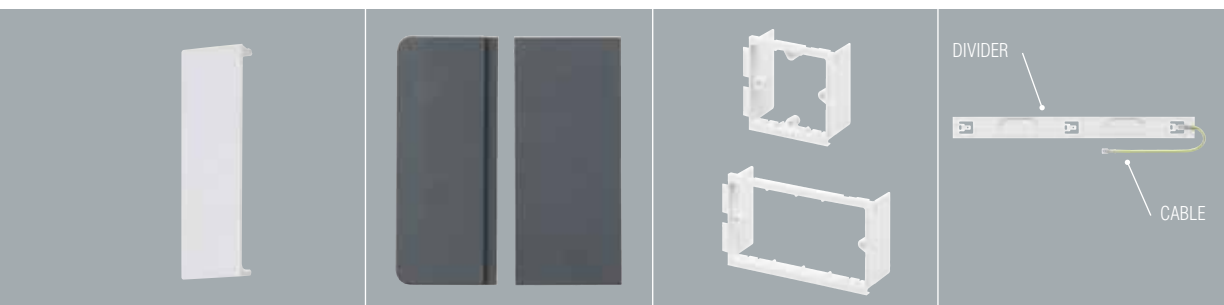
VCT165 WHI

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

10

10

VCT121 WHI1 GANG 40MM
OPEN MOUNTING FRAME**VCT122 WHI**2 GANG 40MM
OPEN MOUNTING FRAMEWings may be removed for increased
wiring space.

25

10

VCT30*

1.5M SCREENING DIVIDER

VX31300MM SCREEN CONNECTING
CABLE**VX32**500MM SCREEN CONNECTING
BRAID**VX33**500MM SCREEN CONNECTING
CABLE

* Cable not included

10

10

10

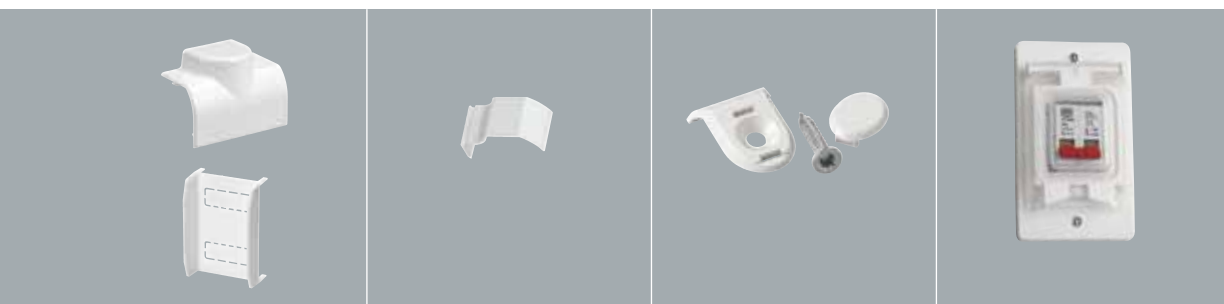
10

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

VCT168 WHIFOR USE WITH COVER VCT120 WHI
EXTENSION COVER

10

10

VCT105 WHI

CABLE RETAINER

50

VTS1000

SCREW FIXING KIT

20

VCT35 WHIMCB/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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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 mm²

1 = 1763

2 = 3828

3 = 1952

Assembly

Dado = 1.58 kg/m

Skirting = 1.60 kg/m

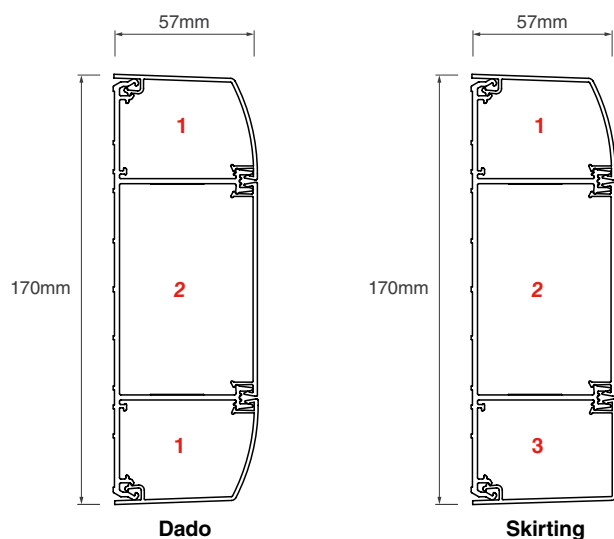
Wall Thickness

VP100 = 1.7mm

VP110 = 1.7mm

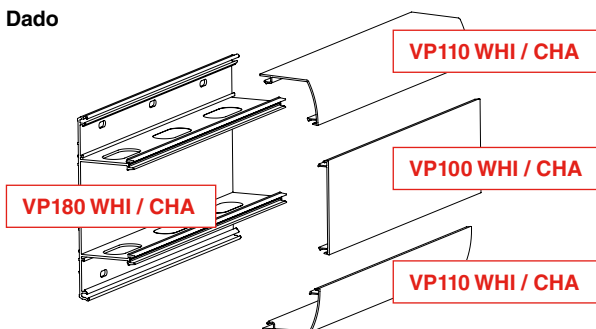
VP115 = 1.7mm

VP180 = 2.0mm

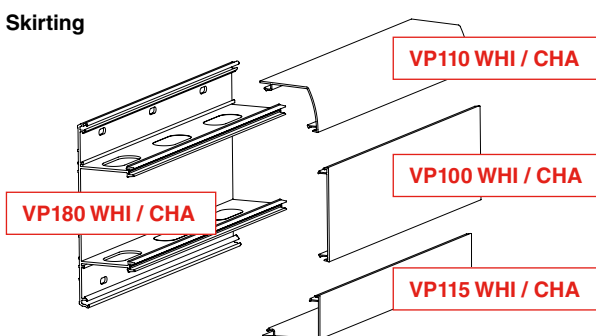


Component selection guide

Dado



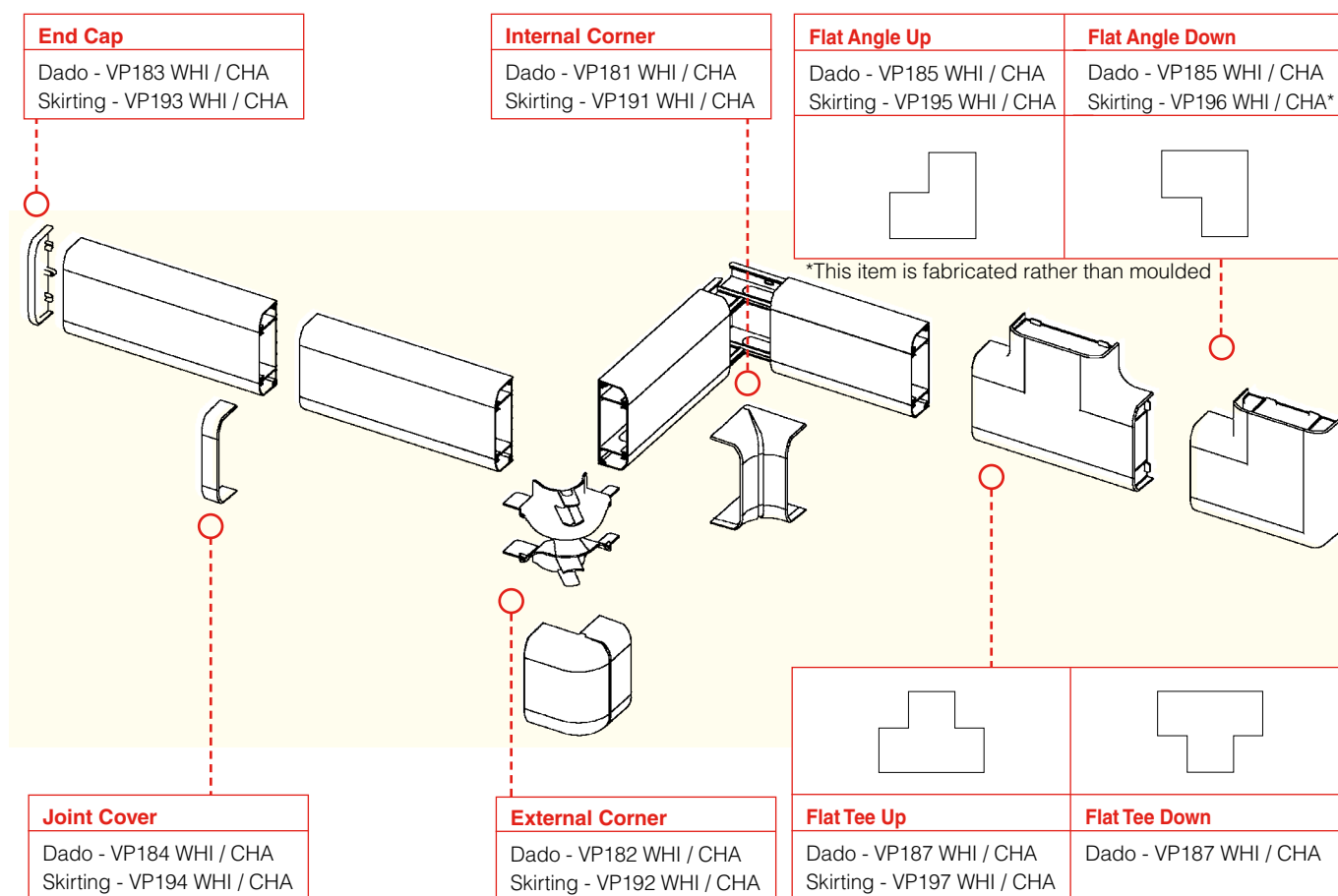
Skirting



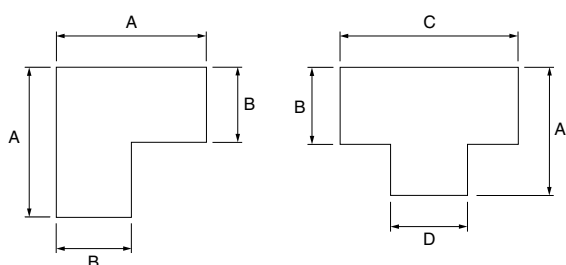
Cable Capacity											
Type of conductor	Size	Cable factor	Compartment 1		Compartment 2		Compartment 2 with 45mm deep box		Compartment 3		
			Full Term CSA (mm²)								
			1763		3828		610		1952		
			Term at 45% fill (mm²)								
			793		1722		274		878		
Power cables			Number of cables at 45% fill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

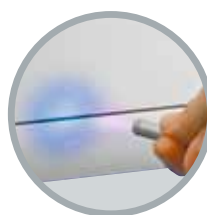


When maintaining the product after installation, no special treatment is required. The antibacterial additive depends on intimate contact between surfaces of the trunking and the user, so any barriers such as dirt or grime will reduce or negate the antibacterial effect. However, the exterior of the trunking 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 mm²

1 = 742

2 = 1431

*(X) = 3035

Assembly

Dado = 1.20 Kg/m

Extended Dado = 1.35 Kg/m

Wall Thickness

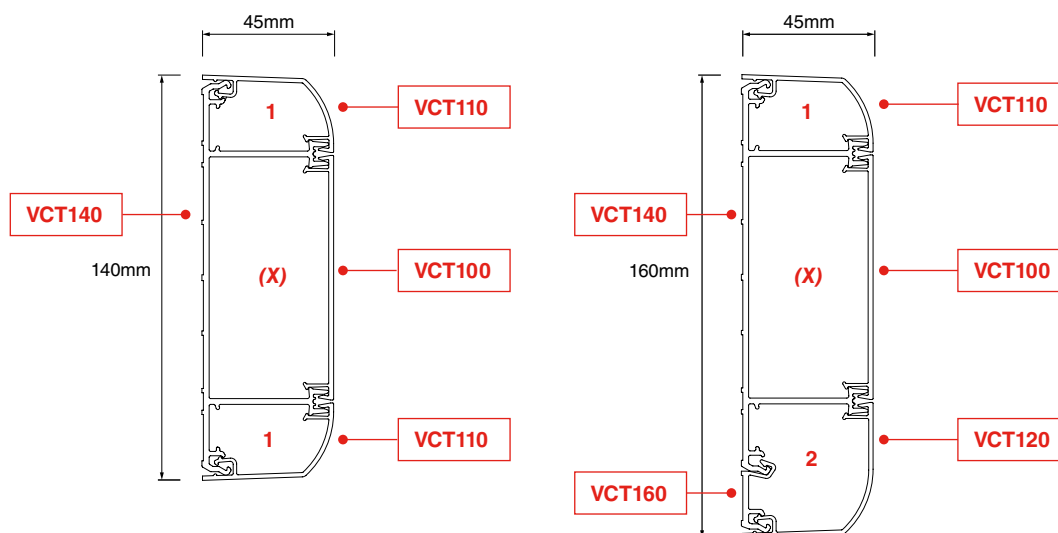
VCT100 = 1.7mm

VCT110 = 1.7mm

VCT120 = 1.7mm

VCT140 = 2.0mm

VCT160 = 2.0mm



DADO

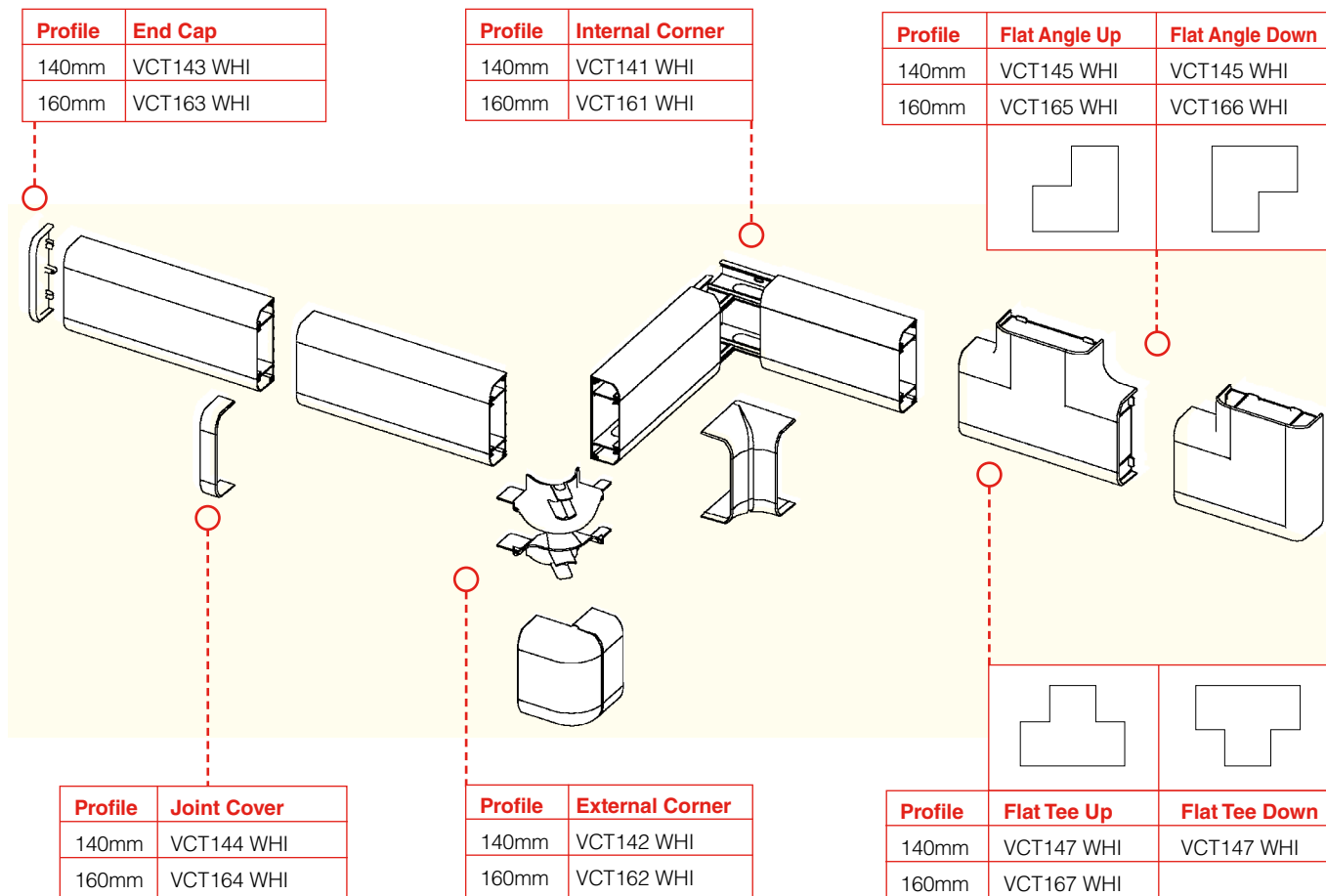
EXTENDED DADO

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

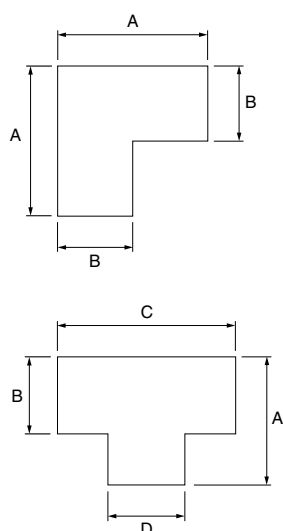
Profile	Flat Angle Up	Flat Angle Down
140mm	VCT145 WHI	VCT145 WHI
160mm	VCT165 WHI	VCT166 WHI

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



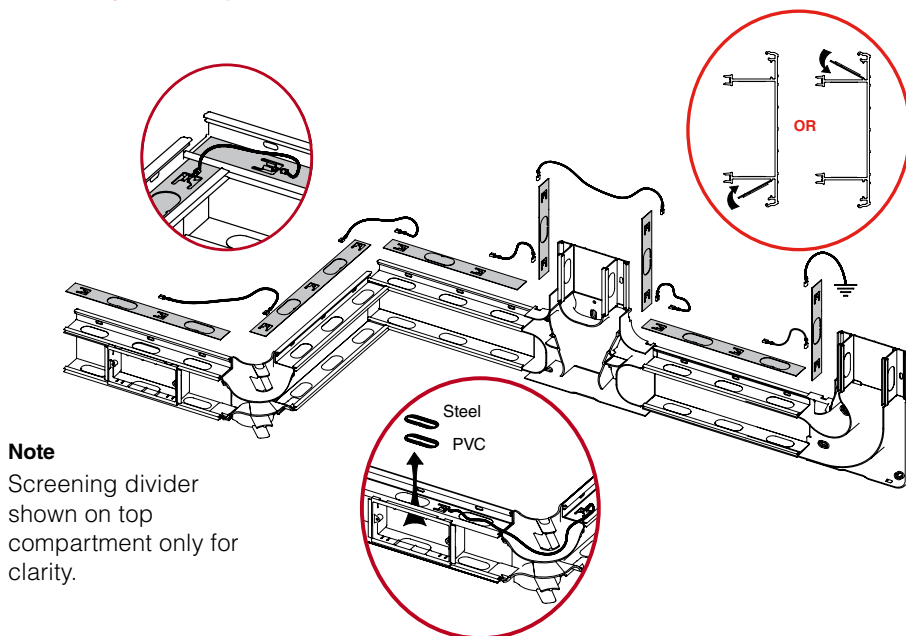
FABRICATED ANGLES AND TEES DIMENSIONS (mm)					
LIST NO	DESCRIPTION	A	B	C	D
VCT145 WHI	Flat Angle 140 (Dado)	190mm	140mm		
VCT147 WHI	Flat Tee 140 (Dado)	200mm	140mm	235mm	140mm
VCT165 WHI	Flat Angle – Up 160 (Extended Dado)	215mm	160mm		
VCT166 WHI	Flat Angle – Down 160 (Extended Dado)	215mm	160mm	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

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Data Trunking System

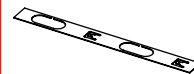
Screening assembly (optional)



Note
Screening divider shown on top compartment only for clarity.

PRODUCT IDENTIFICATION

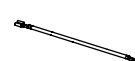
VP30 / VCT30
Screening Divider
1.5m (steel)



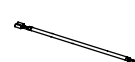
VX31
Screening Cable
300mm



VX32
Screening Braid
500mm



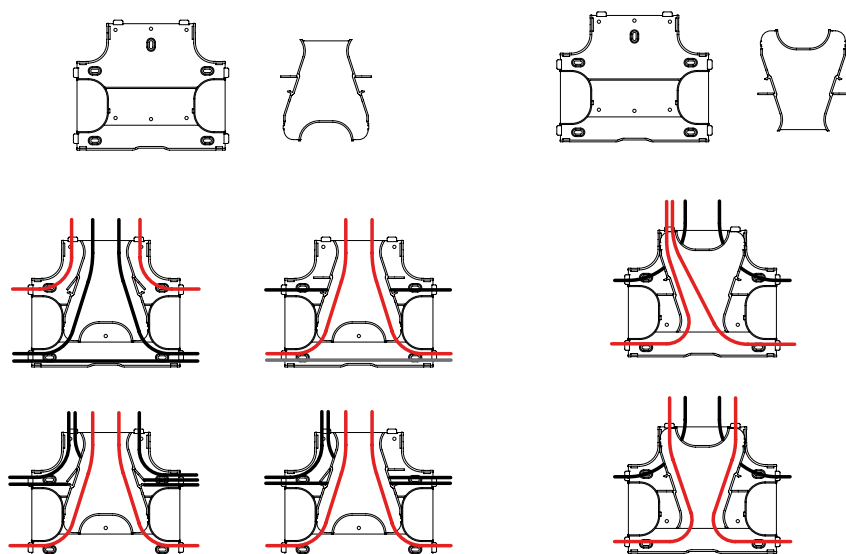
VX33
Screening Cable
500mm plus



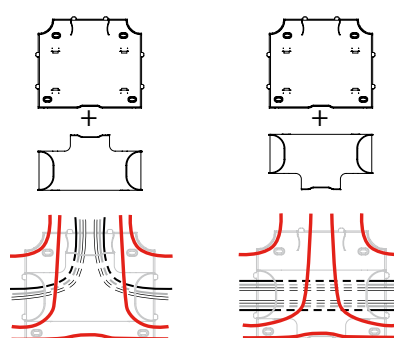
Flat Tee Bridge

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



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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

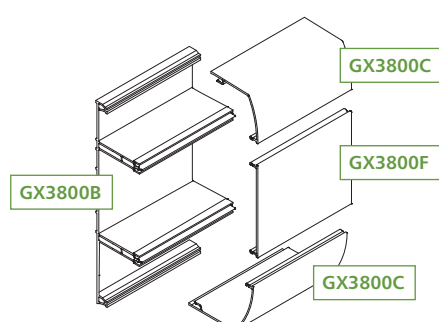
System 38/48 is a neat, clean three compartment trunking that will provide a perimeter service system at dado or skirting level. With segregated compartments for power, data and telecom cabling, each service can be accessed without exposing other services for additions and alterations.

- Two profiles available
- Wide range of fittings are available to complement the trunking
- Manufactured from 90% recycled PVCu[†] 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






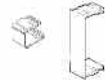
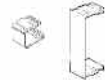




[†] Applicable to extrusions only and based on 2008 consumption

SYSTEM 38 DADO TRUNKING

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



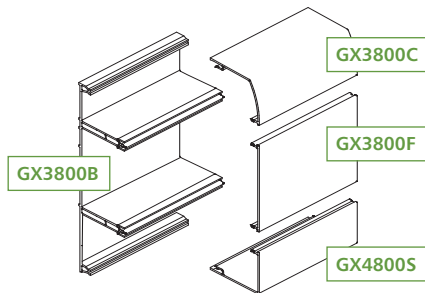
DADO TRUNKING ACCESSORIES

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



SYSTEM 48 SKIRTING TRUNKING

Ref. No.	Detail	Std Pack
SKIRTING TRUNKING COMPONENTS		
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
EXTERNAL CORNER		
GX4801 WHI	Includes screws, screw caps and segregators	Each
INTERNAL CORNER		
GX4802 WHI	Includes screws and screw caps	Each
BASE COUPLER		
GX3808 WHI*		5
COVER JOINT		
GX4811 WHI	Includes screws and screw caps	5
TRUNKING END CAP		
GX4816 WHI	Left & right hand – Include screws and screw caps	Pair
CABLE RETAINERS		
GX3817 WHI*	For top/bottom compartments	10
GX3818 WHI*	For centre compartment	10
SINGLE ACCESSORY BOX		
GX3821 WHI*	Fixing Centre 60.3mm 25mm deep	25
TWIN ACCESSORY BOX		
GX3822 WHI*	Fixing Centre 120.6mm 25mm deep	10
FLAT ELBOW		
GX4825 WHI	Fabricated Elbow	Each
FLAT TEE		
GX4828 WHI	Fabricated Tee	Each
SPARES		
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 ²
Dado	170 x 50	Centre	1530
		Top/Bottom	652
Skirting	170 x 50	Centre	1530
		Top	652
		Bottom	703

Type of Conductor	Conductor cross sectional area mm ²	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 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
HEAVY GAUGE		
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
PLIABLE CORRUGATED ROUND CONDUIT (SHOWN ABOVE)		
GF 16 WHI	16mm	50m
GF 20 WHI	20mm	50m
GF 25 WHI	25mm	50m
ADAPTORS		
FAB 20 WHI	20mm	50
FAB 25 WHI	25mm	50

CONDUIT ACCESSORIES

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

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



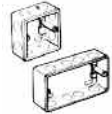


CONDUIT ACCESSORIES


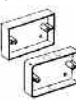
Ref. No.	Size	Std Pack
SPOUT ADAPTORS		
GSA 20 WHI	20mm	100
PLAIN COUPLERS		
GSC 20 *	20mm	100
GSC 25 *	25mm	100
GSC 50 *	50mm	25
PLAIN REDUCERS		
GR 1M *	16/20mm	50
GR 2M *	20/25mm	50
LOCK RINGS		
GL 20 *	20mm	100
GL 25 *	25mm	100
SPACER BAR SADDLE		
SB 20 *	20mm	100
SB 25 *	25mm	100
SB 50 *	50mm	25
SPRING CLIP SADDLE		
SCS 20 *	20mm	100
CLIP FIXINGS FOR OVAL CONDUIT		
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
NYLON CABLE GLANDS			
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	
SINGLE SURFACE SWITCH/SOCKET BOXES			
32MM EXT. DEPTH, 2X20MM ROUND KNOCKOUTS			
GSU 1311	Square	25	
GSU 1312	Round	25	
DOUBLE SURFACE SWITCH/SOCKET BOXES			
32MM EXT. DEPTH, 3X20MM ROUND KNOCKOUTS			
GSU 1321	Square	10	
GSU 1322	Round	10	

CONDUIT SUNDRIES

Ref. No.	Size	Std Pack	
BENDING SPRINGS			
GREEN HEAVY GAUGE			
GSS 20	For RG 20	Each	
GSS 25	For RG 25	Each	
NYLON DRAW TAPES			
GD 30	30m	Each	
DRY LINING FIXING			
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
HOMELINE MINI-TRUNKING		
HL 1809 WHI	18 x 9mm	60m (20x3m)
SELF-ADHESIVE HOMELINE MINI-TRUNKING		
HLS 1809 WHI	18 x 9mm	60m (20x3m)
GT RANGE TRUNKING		
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)
SELF-ADHESIVE GT RANGE TRUNKING		
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)
DIVIDED GT RANGE TRUNKING		
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 ²
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 ²	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.

MINI-TRUNKING

GILFLEX

FITTINGS FOR 18x9mm HOMELINE SYSTEM

Ref. No. Standard Pack

END CAP

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
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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
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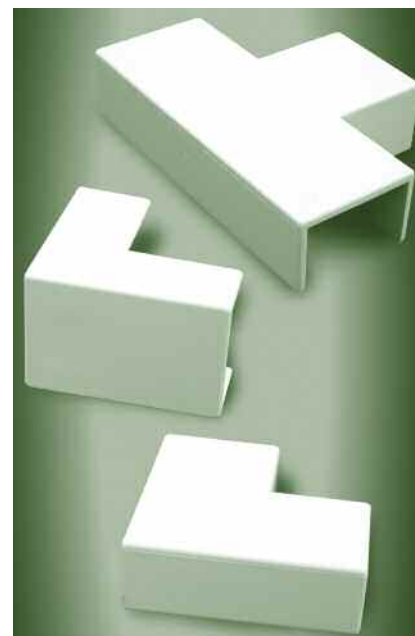
TANGENT ADAPTOR

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



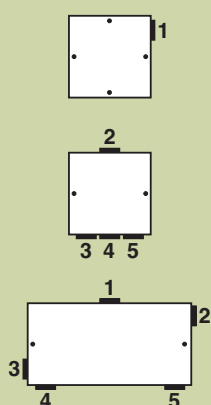
SURFACE BOXES FOR GT RANGE - SQUARE CORNERS

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

SURFACE BOXES FOR GT RANGE - RADIUS CORNERS

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

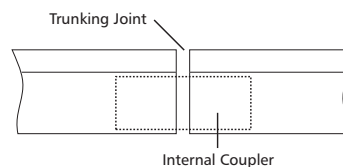
All entries accept box entry adaptors BE11, BE21 and BE31

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
COMMERCIAL & INDUSTRIAL TRUNKING			
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 ²
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 ²	Factor
Solid	1.5	8
	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.

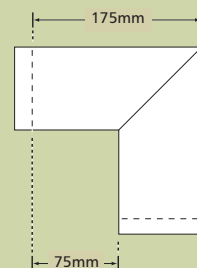
For each cable to be used, obtain the cable factors from the table. Add all factors together and compare to the capacities given.

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

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



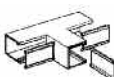
EDGE ELBOW OUTSIDE COVER

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



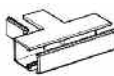
EDGE TEE INSIDE COVER

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.

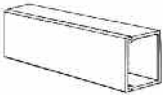
† GASA 3838 is a 34 x 34mm angle, for use in TC1 (75 x 38mm) trunking. Two GASA angles will produce three compartment trunking.



PIPE COVERS & ENCLOSURES

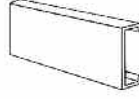
Provides an ideal solution to enclose all types of surface – run pipes, producing a quick, clean and neat installation.

- Manufactured from rigid PCVU – 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.

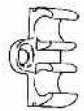
Ref. No.	Size	To Suit	Pack
ENCLOSURE SYSTEM			
			
GE 4025 WHI	40 x 25mm	2 x 8/10mm	50m (20x2.5m)
GE 5032 WHI	50 x 32mm	2 x 15mm	25m (10x2.5m)
GE 7538 WHI	75 x 38mm	2 x 22mm	10m (4x2.5m)

Ref. No.	Size mm	To Suit	Pack
ENCLOSURE PIPE CLIPS			
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
COVER SYSTEM			
			
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
COVER PIPE CLIPS			
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.

PVCu is used for the production of extrusions and mouldings and is universally accepted as having the most suitable properties for use within the electrical industry.

Standards and Approvals

All Gifflex PVCu products are manufactured in accordance with the requirements of BS 4678: Part 4 and BS 4662. The PVCu material used has been tested by an approved laboratory in accordance with the requirements of the following British Standards: BS 4607: Part 1, BS 6099-2-2, BS 476: Part 7. Copies of test certificates are available upon request. Gifflex has been awarded ISO 9002 accreditation. Trunking and conduit systems can be installed to comply with all relevant requirements of the latest edition of the (BS7671) IEE Wiring Regulations.

CE marking

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

Performance (Strenth)

Impact resistance	High impact resistance under normal climatic conditions, BS4678: medium duty
Charpy notched impact strength	25 kJ/m ²
Tensile strength	at yield 34.62 N/mm ² at break 42.00 N/mm ²

Fire performance

The PVCu materials used in the manufacture of Gilflex products are non-flame propagating in accordance with BS 6099 and BS 4678. Extrusion material has been tested by an accredited laboratory in accordance with the requirements of BS 476: part 7 and has achieved a Class 1Y classification. Moulding material has been tested by an accredited laboratory and conforms with IEC 695-2-1 at a severity of 750°C.

Thermal properties

All Gifflex PVCu products are 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.

Coefficient of linear expansion	5.5 x 10 ⁻⁵ per °C (5mm/3000mm with a temperature rise of 25°C)
Operating temperatures	-5° to 60°C
Vicat softening point	81°C
Thermal conductivity	0.19W/m.k

Chemical	Concentration	Unplasticised PVC 20°C 60°C	copper nitrate	
acetaldehyde	40% aq. solution	▲ ▲	copper sulphate	▲ ▲
acetic acid	60% aq. solution	▲ ▲	cupric sulphate	▲ ▲
acetic anhydride		■ ■	cyclohexanone	■ ■
acetone	Traces	■ ■	detergent, synthetic	All concentrations
alcohol, ethyl	40% w/w water	▲ ●	developers, photographic	▲ ▲
alcohol, isopropyl		▲ ▲	dextrin	▲ ▲
alcohol, menthyl	6% aq. solution	▲ ▲	dextrose	▲ ▲
	100%	▲ ●	diaz salts	▲ ▲
aliphatic hydrocarbons		▲ ▲	dichlorodifluoromethane	▲ ▲
aluminium chloride		▲ ▲	diethyl ether	■ ■
aluminium hydroxide		▲ ▲	emulsifiers	All concentrations
ammonia	0.885 G., aq. solution	▲ ▲	emulsions, photographic	▲ ▲
	Anhydrous gas	■ ■	ethyl acetate	■ ■
	Anhydrous liquid	■ ■	ethylene glycol	▲ ▲
ammonium chloride		▲ ▲	ethylene oxide	■ ■
ammonium hydroxide		▲ ▲	fatty acids	▲ ▲
aniline		■ ■	ferric chloride	▲ ▲
animal oils		▲ ▲	ferric nitrate	▲ ▲
aqua regia	Dilute	▲ ▲	ferric sulphate	▲ ▲
	Concentrated	▲ ■	ferrous ammonium citrate	▲ ▲
barium sulphate		▲ ▲	ferrous chloride	▲ ▲
beer		▲ ▲	ferrous sulphate	▲ ▲
benzene		■ ■	fixing solution, photographic	▲ ▲
benzoyl chloride		■ ■	fluorine	● ●
borax		▲ ▲	formaldehyde	40% w/w water
boric acid		▲ ▲		50% solution
brine		▲ ▲		100% solution
bromide	Traces, gas	● ●	fructose	▲ ▲
	100% (dry gas)	■ ■	fruit pulp	▲ ▲
	Liquid	■ ■	glucose	▲ ▲
calcium chloride	aq. solution	▲ ▲	glycerol	▲ ▲
	20% in methyl alcohol	▲ ▲	grape sugar	▲ ▲
calcium hydroxide		▲ ▲	heptane	▲ ▲
calcium hypochlorite		▲ ▲	hydrobromic acid	100%
carbon dioxide		▲ ▲	hydrochloric acid	22% aq. solution
carbonic acid		▲ ▲		Concentrated
carbon monoxide		▲ ▲	hydrochloric acid	40% aq. solution
carbon tetrachloride		● ■		60% aq. solution
castor oil		▲		Concentrated
chloric acid		▲	hydrogen bromide	Anhydrous
chlorine	100% (dry gas)	▲ ●		Anhydrous
	10% (moist gas)	●	hydrogen fluoride	Anhydrous
chlorine water	Sat. solution	● ●	hydrogen peroxide	3% (10vol)
chloroform		■ ■		12% (40vol)
chrome alum		■ ■		30% (100vol)
chromic acid	Plating solution	▲ ▲		90% and above
cider		▲	hydrogen sulphide	▲ ▲
citric acid		▲ ▲	iodine	Solution in potassium iodide
copper chloride		▲ ▲		▲ ■
copper cyanide		▲ ▲	lactic acid	10% aq. solution
		▲ ▲		100%

Electrical

PVCu is non-conductive.

Dielectric strength	40 kV/mm in DBP
	17 kV/mm in tx oil
Resistivity	1014 Ω cm ³

Biological

Resistant to vermin and termites.

Workability

Flexibility All Giflex PVCu products are lightweight and can be readily cut and drilled with hand tools. Short component lengths can be readily incorporated, reducing wastage of material. All covers and accessories are manufactured to fine tolerances to ensure a tight fit with ease of removal. Stop ends are secured to the carriers. For details, see the relevant installation guide.

Durability

All Gilflex PVCu products are 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.

Mechanical performance

Impact resistance under normal climatic conditions, BS 4678: medium duty.

Chemical resistance (See Below)

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

▲ Satisfactory

- Some attack or absorption: the material may be considered for use when alternative materials are unsatisfactory and where limited life is acceptable. When PVC is to be used with such chemicals full scale trials under realistic conditions are necessary.
- Unsatisfactory: so rated because of decomposition, solution, swelling, loss of ductility etc, of the samples tested.

lanoline		▲▲	sodium bisulphate		▲▲
linoleic acid		▲▲	sodium borate		▲▲
linseed oil		▲▲	sodium bromide		▲▲
magnesium hydroxide		▲▲	sodium carbonate		▲▲
maleic acid	50% aq. solution	▲	sodium chlorate		▲▲
	Concentrated	▲●	sodium chloride		▲▲
metallic soaps	(water soluble)	▲▲	sodium cyanide		▲▲
methyl bromide		■▲	sodium ferricyanide		▲▲
methyl chloride		■▲	sodium ferrocyanide		▲▲
methyl cyclohexanone		■▲	sodium fluoride		▲▲
methyl ethyl ketone		■▲	sodium hydroxide	40% aq. solution	▲▲
methyl isobutyl ketone		■▲		Concentrated	▲▲
methylated spirit		▲	sodium hypochlorite 15% Cl		▲▲
methylene chloride		■▲	sodium hyposulphate		▲▲
milk		▲▲	sodium nitrate		▲▲
mineral oil		▲▲	sodium peroxide		▲▲
mixed acids	(sulphuric/nitric Various proportions)	●■	sodium silicate		▲▲
molasses		▲▲	sodium sulphate		▲▲
naphtha		▲▲	sodium sulphide	25% aq. solution	▲▲
naphthalene		■▲		Concentration	▲▲
nicotine		▲▲	sodium sulphite		▲▲
nitric acid	5% aq. solution	▲	soft soap		▲▲
	50% aq. solution	▲●	surface active agents (All concentrations)		▲▲
nitrobenzene		■▲	(emulsifiers, synthetic detergents and wetting agents)		
oleic acid		▲▲	starch		▲▲
oxalic acid		▲▲	stearic acid		▲▲
oxygen		▲▲	sucrose		▲▲
ozone		▲▲	sulphur	Colloidal	▲▲
paraffin		▲▲	sulphur dioxide	Dry	▲▲
pentane		▲▲	Liquid		●■
petrol		▲▲	sulphuric acid	80% aq. solution	▲▲
phosphoric acid	30% aq. solution	▲▲	90% aq. solution		▲●
	95% aq. solution	▲▲	Fuming		■▲
photographic developers		▲▲	sulphurous acid	10% aq. solution	▲▲
potassium bromide		▲▲	tallow		▲▲
potassium carbonate		▲▲	tanning extracts		▲▲
potassium cyanide		▲▲	tartaric acid		▲▲
potassium ferricyanide		▲▲	transformer oil		▲▲
potassium hydroxide		▲▲	trichloroethane		■▲
	10% aq. solution	▲▲	trichloroethylene		■▲
	Concentrated	▲▲	turpentine		▲▲
potassium hypochlorite		▲▲	vegetable oils		▲▲
potassium permanganate		▲▲	vinegar		▲▲
propane		▲▲	water		▲▲
propylene glycol		▲▲	wetting agents	All concentrations	▲▲
propylene oxide		■▲	wines and spirits		▲▲
saccharose		▲▲	xylene		■▲
sea water		▲▲	zinc carbonate		▲▲
silver nitrate		▲▲	zinc chloride		▲▲
soap solution		▲▲	zinc sulphide		▲▲
sodium bicarbonate		▲▲			



Gilflex

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Customer Service Fax 01268 563405

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Customer Service Fax +353 (0)1429 6501

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 CO₂ emissions[†] 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

