

## 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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### Dimensions (mm)

#### Profiles

Compartment CSA mm<sup>2</sup>

- 1 = 1763
- 2 = 3828
- 3 = 1952

#### Assembly

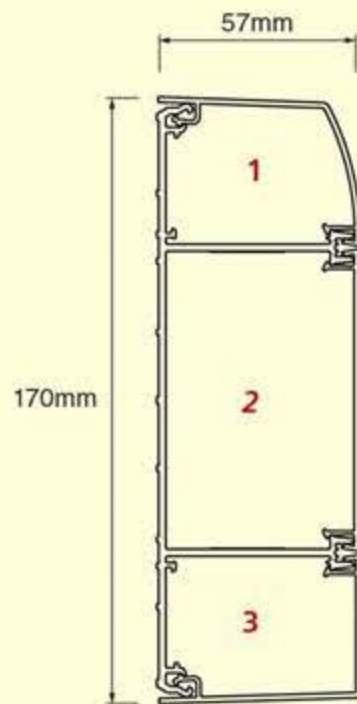
Dado = 1.58 kg/m  
Skirting = 1.60 kg/m

#### Wall Thickness

VP100 = 1.7mm  
VP110 = 1.7mm  
VP115 = 1.7mm  
VP180 = 2.0mm



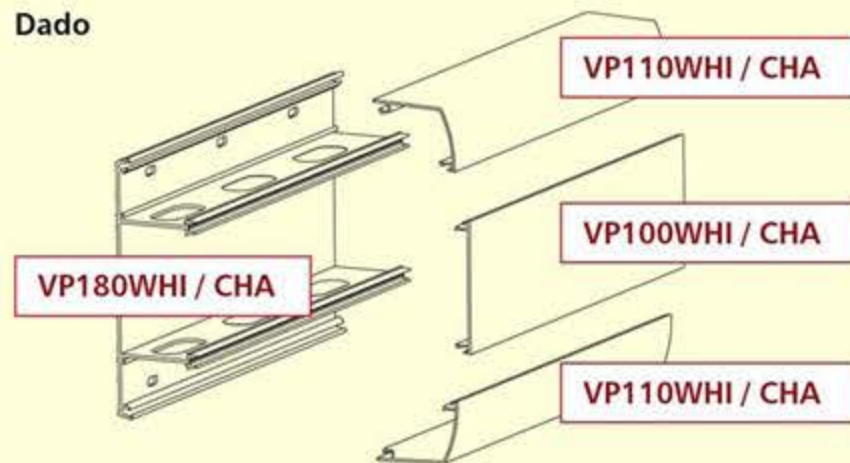
Dado



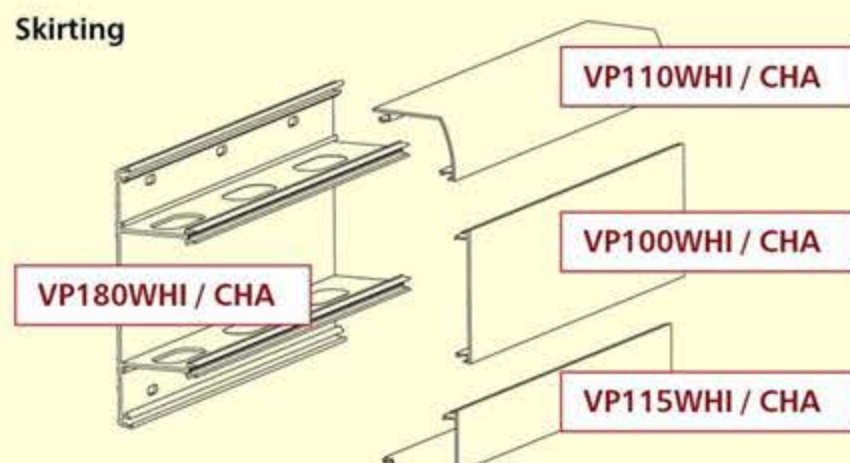
Skirting

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



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### Component selection guide

**End Cap**  
Dado - VP183WHI / CHA  
Skirting - VP193WHI / CHA

**Internal Corner**  
Dado - VP181WHI / CHA  
Skirting - VP191WHI / CHA

**Flat Angle Up**  
Dado - VP185WHI / CHA  
Skirting - VP195WHI / CHA

**Flat Angle Down**  
Dado - VP185WHI / CHA  
Skirting - VP196WHI / CHA\*

**Joint Cover**  
Dado - VP184WHI / CHA  
Skirting - VP194WHI / CHA

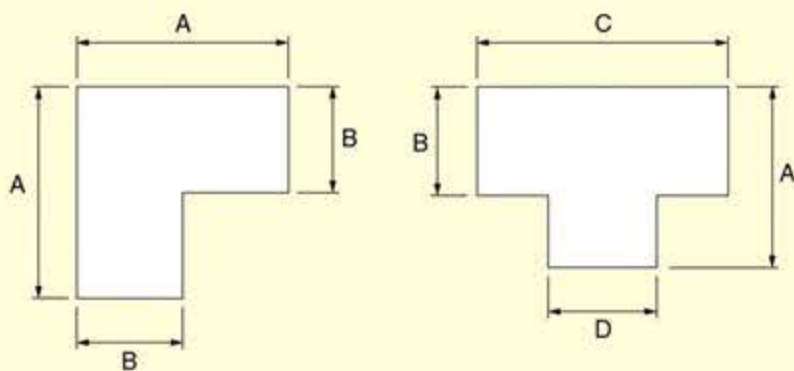
**External Corner**  
Dado - VP182WHI / CHA  
Skirting - VP192WHI / CHA

**Flat Tee Up**  
Dado - VP187WHI / CHA  
Skirting - VP197WHI / CHA

**Flat Tee Down**  
Dado - VP187WHI / CHA

\*This item is fabricated rather than moulded

### Flat angles and tees



FLAT ANGLES AND TEES DIMENSIONS (mm)					
LIST NO	DESCRIPTION	A	B	C	D
VP185WHI / CHA	Flat Angle	218mm	170mm		
VP187WHI / CHA	Flat Tee	202mm	170mm	235mm	170mm
VP195WHI / CHA	Flat Angle Up	218mm	170mm		
VP196WHI / CHA	Flat Angle Down	270mm	170mm		
VP197WHI / CHA	Flat Tee Up	202mm	170mm	235mm	170mm