

technical hotline +44 (0)1268 563720

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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.

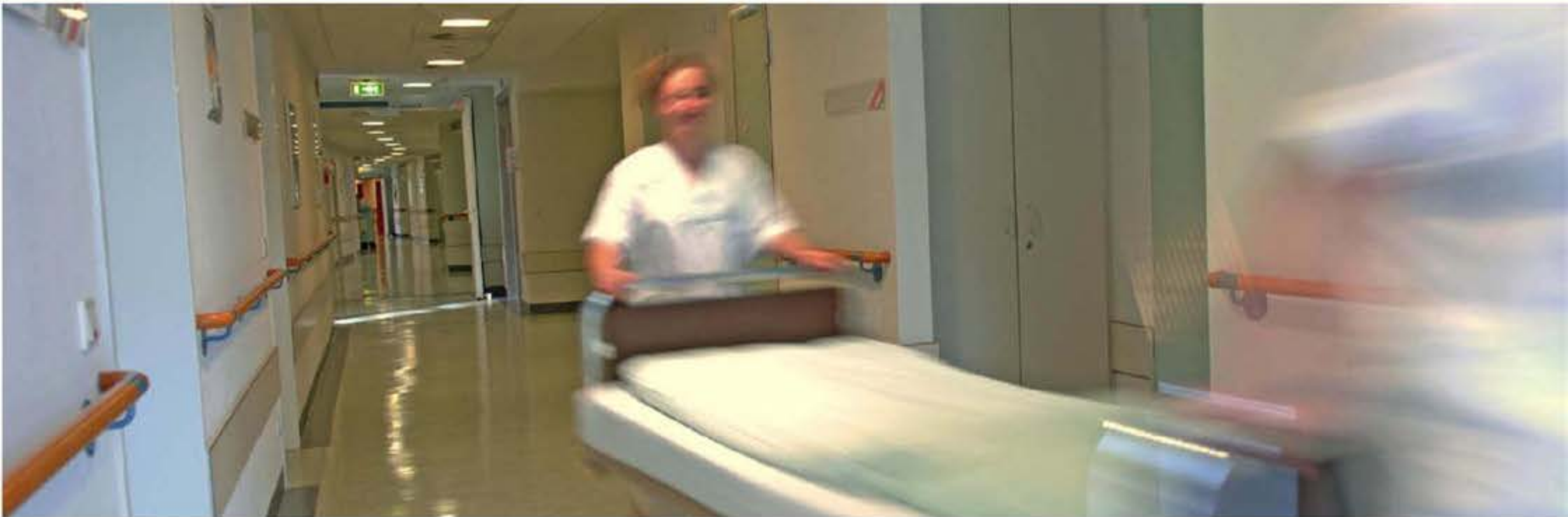
Prestige 3D Antibac Blue is not intended to replace standard cleaning regimes. It is an additional protection which can only operate efficiently if the surfaces are kept free of dirt and grime.

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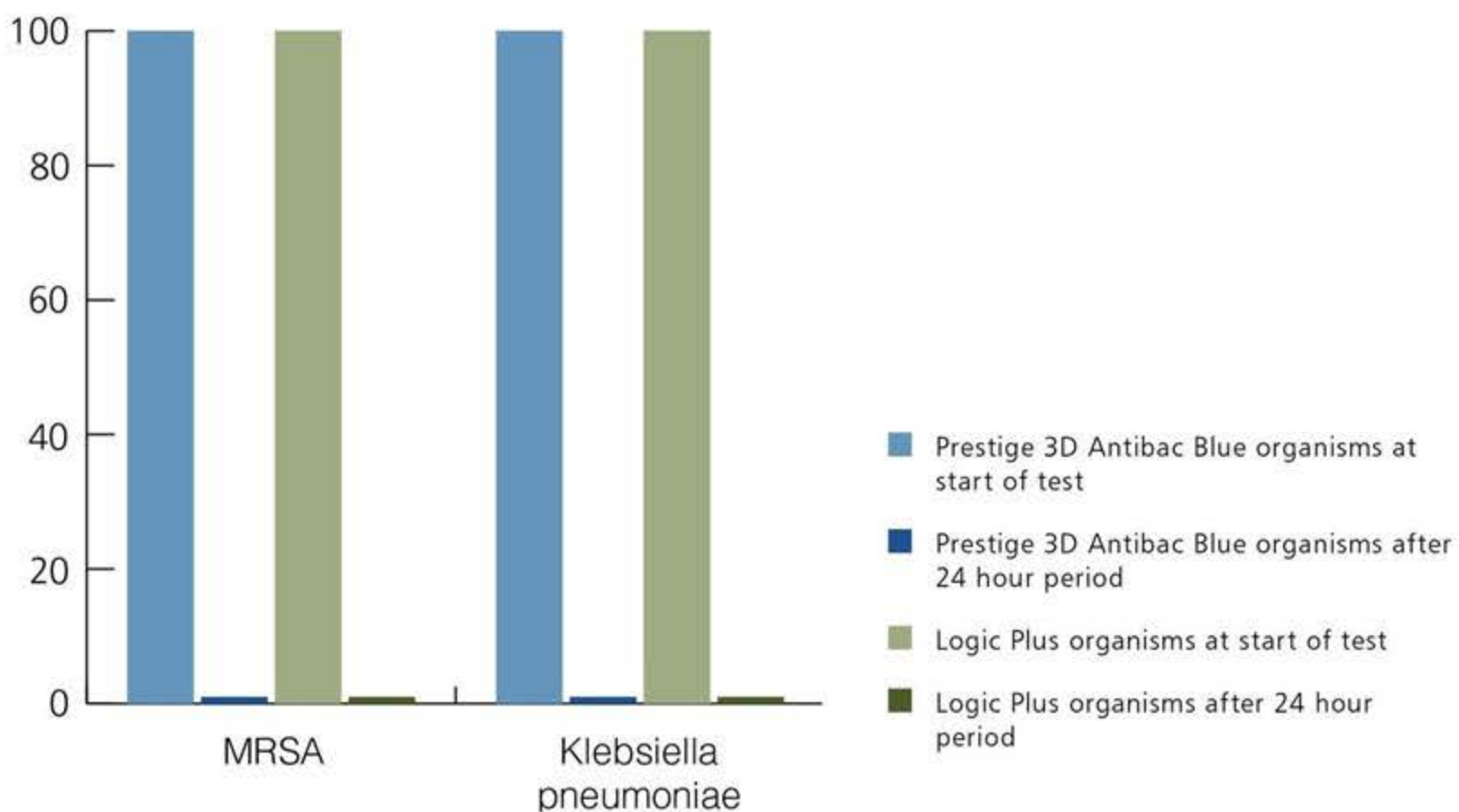
MK Electric have commissioned independent tests to verify the antibacterial properties of Prestige 3D Antibac Blue. The results, collected over a 24 hour period shows results of >99.9% kill rates on the organisms MRSA, and Klebsiella pneumoniae.

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

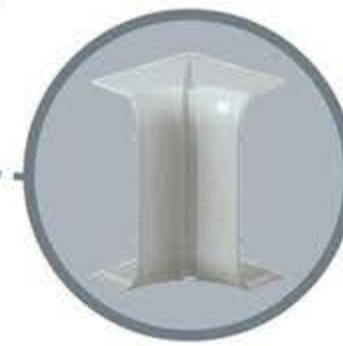
Wiring is also made easy with 50 x 21mm knockouts at 100mm intervals along compartment dividers, providing instant access to mounting boxes, with no drilling or cutting.

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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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.



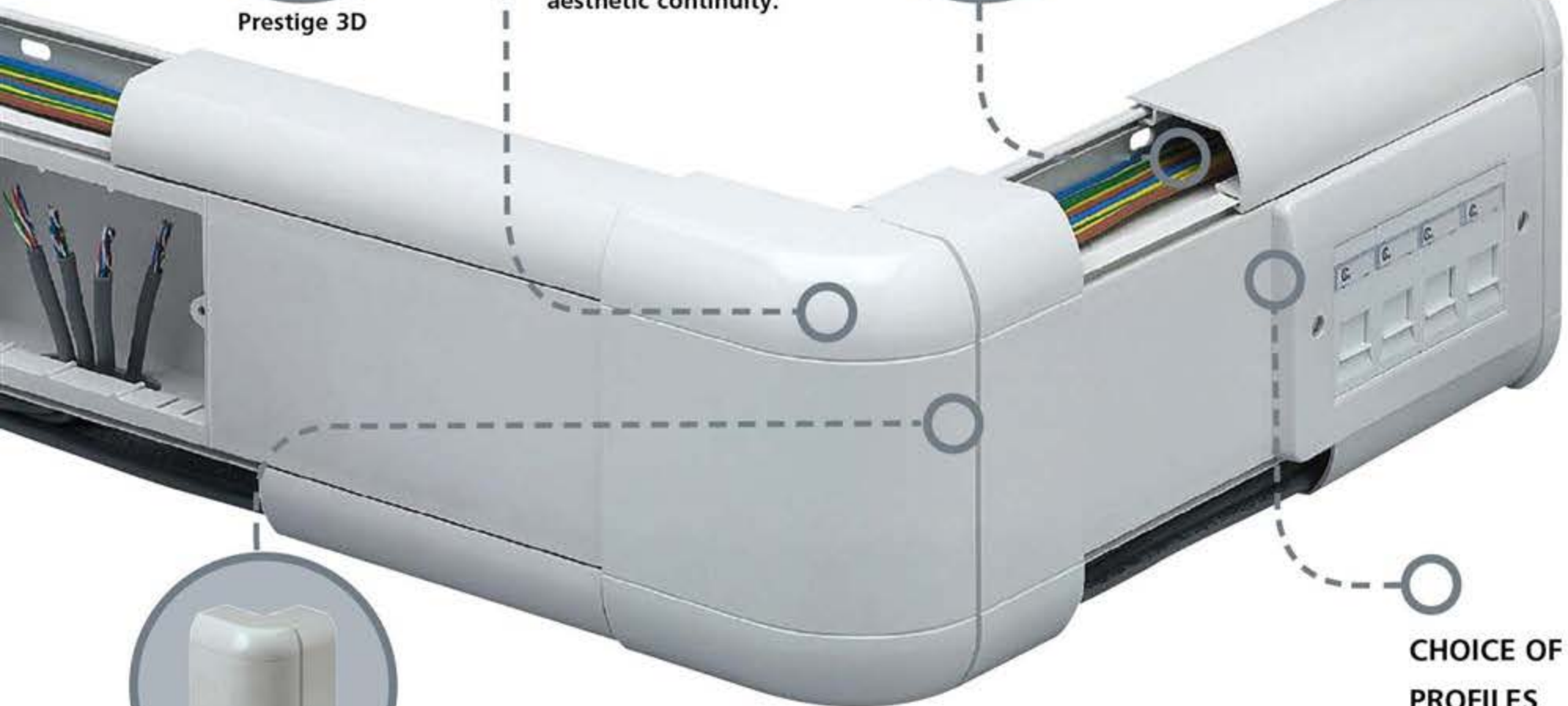
TRUNKING HINGE LIDS

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.

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.

ELECTROMAGNETIC INTERFERENCE

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