

Marshall-Tufflex

Bio Trunking Solutions

Antimicrobial Trunking Systems

Bio

where hygiene is a priority

from
Marshall-Tufflex



www.marshall-tufflex.com/bio



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Tufflex**



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Why use antimicrobial PVC-U trunking?

Certain microbial organisms are harmful to people and can proliferate to cause infections and disease. There is a need to control these organisms, particularly in environments such as

- Hospitals
- Nursing and care homes
- Medical units
- Surgeries
- Schools
- Sports and health centres

Indeed, anywhere that infection control is of importance and hygiene a priority.

Microbial organisms can also cause product deterioration, discoloration and bad odours and antimicrobial treatments help to prevent these

effects and provide an extra level of protection when combined with normal cleaning procedures.

Built-in protection

Where hygiene is a priority, we can now offer you a range of cable management systems with **integral antimicrobial properties**.

By treating PVC-U with a silver-based material Marshall-Tufflex can now offer a Bio range of perimeter trunking which delivers ongoing antimicrobial properties that **prevent 99.9% of harmful bacteria growth**.

And, because the Marshall-Tufflex Bio trunking solution is integral to the PVC-U material, there is **no reduction in effectiveness** of the trunking throughout its life - even if it is scratched or damaged.

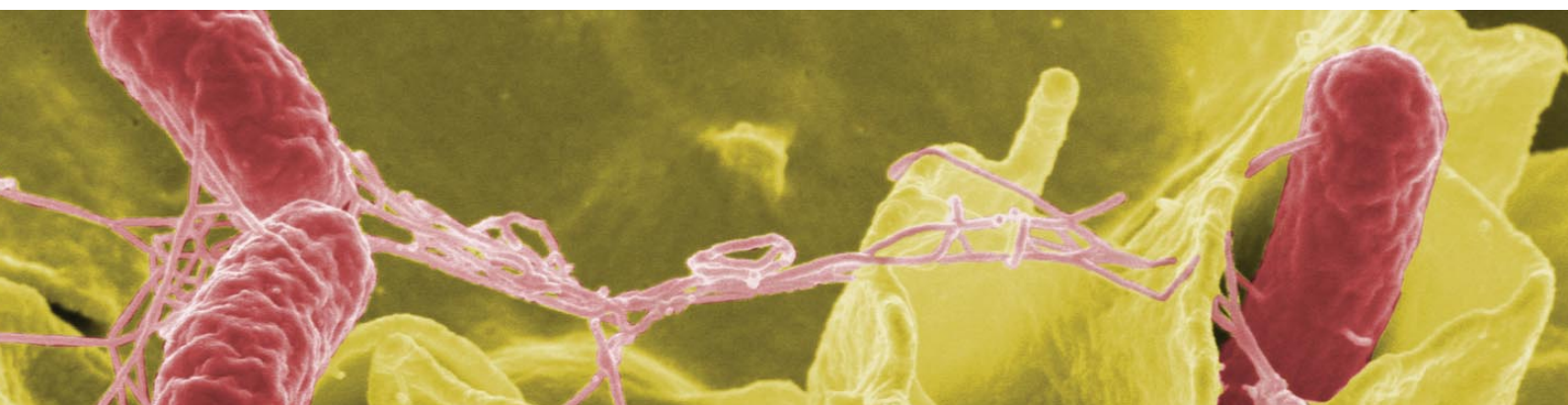
TEST RESULTS: Marshall-Tufflex Report #2422431

LABORATORY: Thomson Research Associates Inc., Ontario, Canada

TEST ORGANISM: Methicillin Resistant Staphylococcus Aureus (MRSA)

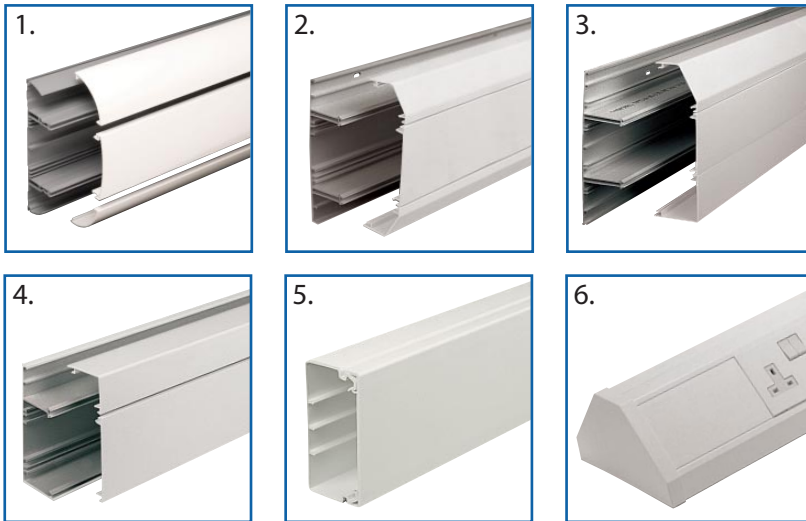
Quantitative Assessment of Activity – ISO 22196:2007				
MRSA				
Concentration of starting inoculum		4.94 x 10 ⁵ CFU/mL		
Sample Description	No. of Bacteria Recovered	Log Value	R=[log(B/C)]	% Survival
1. Flat profile - Blue Tape, White PVC - untreated control	7.19 x 10 ⁶	6.9	-----	-----
2. Curved profile - Red Tape, White PVC - Treated with Ultra-Fresh CA-16	<2.00 x 10 ¹	<1.3	>5.6	<0.1%

The treated curved profile (Sample 2) showed excellent control of both MRSA and Klebsiella Pneumoniae with a **greater than 99.9% reduction in bacteria** compared to the untreated flat profile (Sample 1). The bacteria grew on the untreated sample.



Which trunking systems?

Bio solutions are available for most of the Marshall-Tufflex PVC-U trunking ranges. For further information call our Technical Team on +44 (0) 1424 856688.



1. Odyssey
 2. Sterling Profile 1
 3. XL
 4. Compact 2
 5. Maxi
 6. Bench
- ...and many others available.

Bio Trunking Solutions offer:

- Prevention of harmful bacteria growth, such as MRSA, Klebsiella Pneumoniae, E-coli, Pseudomonas Aeroginosa, Salmonella and Streptococci.
- Antimicrobial properties inherently formulated into PVC-U.
- A durable, non-leaching antimicrobial treatment.
- Testing to ISO 22196:2007.
- Proven silver ion-based technology to neutralise any bugs with which it comes into contact.
- Registration with the Environmental Protection Agency (EPA).
- Compliance with the European Biocidal Products Directive (BDP).
- Proven reductions in bacterial viable count by more than 99.9%.
- Antimicrobial treatments provide an extra level of protection when combined with normal cleaning procedures.

BIO TRUNKING CASE STUDY

FOR: Derriford Hospital, Plymouth

SPECIFIER: Plymouth Hospitals NHS Trust,

Electrical Estates Department

INSTALLER: Dodd Group South Western

The Marshall-Tufflex Bio Trunking Solution proved perfect for the eleven operating theatres at Derriford Hospital, Plymouth, an acute general hospital that is part of Plymouth Hospitals NHS Trust.



Installed by Dodd Group as part of a strict, on-going process to control the spread of infections, Odyssey Bio Trunking was specified by Plymouth Hospitals NHS Trust's Electrical Estates department.

Plymouth Hospitals NHS Trust places enormous emphasis on quality, safety and effective care of patients and has been named as one of the

top performing Trusts in the country. This Odyssey Bio Trunking installation is part of an upgrade to the monitoring system, linking essential patient data during an operation - such as blood pressure, pulse and heart rates - to a central information processing unit.

Paul Cookney, Theatre Estates, Plymouth Hospitals NHS Trust:

"It is a superb product we're very pleased with it." Rob Ellis, Head of Electrical Estates, Plymouth Hospitals NHS Trust: "Marshall-Tufflex Bio Trunking is a product that is likely to come to the fore in the control of infection, as NHS Trusts up and down the country tackle the continuing threat of virulent infectious diseases."



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In pursuance of our policy of continued product improvement Marshall-Tufflex reserves the right to change the design or specification of its products without notification.

