



Graph showing % reduction of MRSA and E.coli on a Biocote® protected surface using the ISO 22196:2007 test methods



### WHAT IS BIOCOTE®?

BioCote® is a trademark which stands for a proven efficacy against bacteria and fungi (including mould). As there is currently no standard for levels of efficacy in the market place, BioCote Ltd has set its own standard. All treated products have to attain a minimum of 95% reduction in bacteria, during laboratory testing, to carry the BioCote® trademark (testing is conducted to ISO 22196, the international standard for antimicrobial testing).

### WHY BIOCOTE® AS OPPOSED TO OTHER ANTIMICROBIAL ADDITIVES?

BioCote® antimicrobial technology offers Contour a guarantee that their treated radiator covers & LST guards will consistently prove the efficacious claims.

### IS THE BIOCOTE® ANTIMICROBIAL TECHNOLOGY SUSTAINABLE IN CONTOUR CASINGS RADIATOR COVERS & LST GUARDS?

25-year accelerated life cycle testing has been conducted on the BioCote® treated powder coated metal, with no significant reduction of efficacy being demonstrated.

### WHAT SHOULD A SPECIFIER REQUEST AS PROOF OF EFFICACY?

A one-off validation certificate for efficacy of an antimicrobial treated product is not sufficient. The supplier of antimicrobial treated radiator guards should be in a position to provide a range of certificates to prove ongoing quality control and that the efficacy of the treated products is consistently maintained. BioCote Ltd provides Contour with a regular QC programme to manage the efficacy ratings of the radiator covers & LST guards, offering a databank of evidence to prove the efficacious claims.

### DO CONTOUR CASINGS' RADIATOR COVERS & LST GUARDS FIGHT MICROBES IN THE ENVIRONMENT?

Contour's BioCote® treated radiator covers were included in an environmental study conducted between BioCote Ltd and Leicestershire City Council at Arbor House. Correlating the contaminated environment with clinical outcomes is problematic. Therefore it is important to quantify the effectiveness of decontamination technologies by measuring their ability to reduce levels of microbial contamination.

This study investigated the effect that silver ion (BioCote®) technology had on spatial and temporal counts of bacteria in a nursing home environment compared to an untreated control environment. A mean difference of 94.8%\* in bacterial counts was observed on BioCote®-treated surfaces compared to untreated products in the control environment. (British Journal of Community Nursing, Vol. 14, No. 6, June 2009 - "Silver ion antimicrobial technology: decontamination in a nursing home")

In 2002 the World Health Organisation stated that, "The benefit of a cleaner environment is envisaged to be improved clinical outcomes" (Gastmeier, P et al, 2006; Huang R et al, 2006; /Boyce J, 2007; Boyce J, McDonald L, Adams N et al, 2008; Dancer S, 2008). Thus, the above study demonstrates that the treated products reduced bacterial loadings.



\* This study has demonstrated again that the laboratory efficacy is transferable to the environment by BioCote® treated products.

