Antimicrobial Technology for Door Seals
Fighting hidden enemies

Lorient is joining the fight against bacterial infection and the spread of superbugs such as MRSA and E-coli in hospitals and care homes, with integral antimicrobial protection for its range of popular door seals. A number of other products within its fire resistant glazing systems, and fire and smoke resistant dampers / air transfer grilles ranges also feature the antimicrobial technology.

Many public and commercial buildings such as schools, hotels, leisure complexes can benefit too, where there is an increased need for improved hygiene and cleanliness to prevent bacterial cross-infection.

Bacteria is usually transmitted by direct skin to skin contact, but it can live on common surfaces such as doors and ironmongery; including door seals, air transfer grilles and glazing systems etc.

Traditional brush type door seals provide a safe haven for bacteria and dirt amongst the filaments, and are almost impossible to keep clean. Switching to a flexible fin type door seal such as Finesse™ or DS can significantly reduce bacteria thriving due to their wipe clean surfaces. And to strengthen this protection even further, Lorient is introducing antimicrobial technology into its seals during manufacture, for maximum effectiveness.

Products that incorporate antimicrobial protection include Finesse™, DS, Batwing® and plain fire seals. As well as Lorient’s vision intumescent style air transfer grilles LVV40 and LVC40, which can be used to provide up to 60 minutes fire resistance for fire and hot smoke; and Lorient’s new versatile 60 minute fire resistant glazing system – RF1®.
Antimicrobial FAQs

**How does it work?**
The active ingredient works by preventing the bacteria’s access to nutrients so that they starve and die – levels of bacteria on surfaces are significantly reduced over a 24 hour period.

**How long does it last?**
The technology, which is non-toxic, remains active on the surface of the seal for many years, due to its low water solubility.

**What bacteria does it work against?**
Lorient seals featuring the antimicrobial technology have been tested and proven to be up to 99% effective at killing a wide range of bacteria including MRSA and E-coli.

**What tests have been carried out?**
A suite of independent laboratory tests were carried out and tested to meet the requirements of ISO 22196: 2011. Ask for more details.

**What are the relevant applications?**
The threat of infection exists in all environments, but particularly in high traffic public use buildings including hospitals, care homes, schools, hotels, leisure centres, offices and restaurants.

**Which products incorporate this technology?**
This built-in protection can be found in our DS, Finesse™, Batwing® and plain fire seals; LVV40 and LVC40 vision style grilles and RF1® glazing system. Most importantly the antimicrobial technology is incorporated during manufacture and in no way affects the door seals’ anticipated performance or premium aesthetics. It’s totally invisible, works from within to protect external surfaces.

**Call our Technical Services team on**
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