



THE HYGIENIC WALL & CEILING COMPANY



Elite Sterling Antimicrobial PVC

Elite Sterling PVC with built in silver ion technology is the result of years of intensive research. In addition to the long established hygiene benefits of PVC, independent tests confirm that Elite Sterling products with active antimicrobial technology effectively eliminate harmful microorganisms within 24 hours. They are also proven to reduce SARS-CoV-2 which causes Covid-19, within 6 hours. The antibacterial active ingredient is a silver glass matrix which provides dual biostatic and biocidal action and is 99.9% effective in actively killing bacteria on the sheet.

Main Benefits

- Non-toxic FDA approved active ingredient (food safe)
- Active protection - kills microbes
- Testing shows a 96.11% reduction in SARS-CoV-2 (Coronavirus) after 6 hours and 98.56% after 24 hours.
- Resistance to a wide range of chemicals
- Impact resistant
- Excellent adhesion
- Easy to install and maintain
- Full fixing system with Elite Sterling protection
- Suite of matching ancillaries
- Eliminates many types of mould, fungi and bacteria - including MRSA, E. coli, Salmonella and SARS-CoV-2 (Coronavirus)
- Tested to ISO 22196

COLOUR	White
FINISH	Satin (with protective film)
THICKNESS	2.5mm
SHEET SIZES	2440mm x 1220mm 2750mm x 1220mm 3050mm x 1220mm

Applications

Medical

Hospitals and clinics
Laboratories and
Cleanrooms

Food

Food & drink production areas
Commercial Kitchens
Abattoirs



Properties	Value
Specific Gravity	1.38-1.42
Vicat softening point: DIN 53460	65-68°C
Thermal conductivity: DIN 52612	0.15 W/Mk@1mm
Thermal Expansion Coefficient: DIN 53752	0.067mm/m°C
Falling dart impact strength	93-96J
Shore hardness: DIN 53505	60
Tensile strength at yield: DIN 53455	50-55 MPa
Elongation at break: DIN 53455	130-150%
Flexural strength: DIN 53452	78-82MPa
Flexural modulus	2,600-2,800MPa
Modulus of elasticity: DIN 53457	2,800-3,000MPa
Service temperature	-10°C to +60°C
Fire Rating	Class 1 BS476: Part 7



Active Antimicrobial Ingredients

Elite Sterling PVC Sheets are ideal for high care zones which must be controlled from the spread of viruses and infections and to create the ultimate hygienic food preparation areas.

The active antimicrobial protection kills microbes; inhibits any growth and as a result leads to the added benefit of low maintenance requirements. Silver ions are incorporated into the bulk of the PVC mixture before the extrusion process, and improve the already existing antimicrobial activity of rigid PVC sheet. The sheet now kills a wide variety of microorganisms on contact including MRSA, E. coli and Salmonella, amongst others.

Chemical Resistance

Elite Sterling PVC Sheet have excellent resistance to most chemicals including dilute acids and alkalis, alcohols, glycols, atmospheric pollutants and most cleaning solutions.

