



Autron Products Feature
Steritouch Surface Hygiene
on all external Surfaces

SteriTouch®

What is SteriTouch?

SteriTouch® utilises the sterilising properties of silver, which has long been regarded as a versatile 'healing' tool and was used extensively in ancient civilisations to control infections and reduce spoilage. Around 400BC, Hippocrates taught that silver healed wounds and controlled disease, while the American Pioneers would often put a silver dollar into containers of milk to keep it fresh without refrigeration.

SteriTouch® additives can add value beyond any additional material cost, rejuvenate mature product lines and open new markets




SteriTouch® is a range of additives which can be incorporated into most products, providing protection against bacteria such as E. Coli, Salmonella and MRSA.

- SteriTouch® utilises the sterilising properties of **silver**.
- SteriTouch® additives will **increase** the perceived **value** of products.
- SteriTouch® additives will create a **competitive advantage**.
- SteriTouch® additives will **differentiate** from alternative products.
- SteriTouch® can make conventional products suitable for **new markets**.
- SteriTouch® additives are typically used in small amounts, **minimising additional cost**.
- SteriTouch® additives are suitable for **powders, paints, plastics, metal coatings, inks & lacquers**.
- SteriTouch® additives do not leach and have **no environmental impact**.
- SteriTouch® additives have **EPA, FDA and EFSA approval**.
- SteriTouch® additives are **notified in the European Biocidal Products Directive**.
- SteriTouch® is a **single source** for all antimicrobial requirements.
- **SteriTouch® does NOT impose licencing fees.**

Antimicrobial Masterbatch

The antimicrobial properties of the SteriTouch® Universal Masterbatch are not compromised by its unrivalled flexibility.

Independent testing to the JIS Z 2801:2000 standard has demonstrated performance superior to competing products at a significantly lower price point.



SteriTouch® universal masterbatch provides excellent antimicrobial performance and is suitable for many common polymers



SteriTouch® masterbatch uses a silver antimicrobial to achieve excellent antimicrobial performance at relatively low cost.

- SteriTouch® masterbatch will provide **long term antimicrobial protection**.
- SteriTouch® masterbatch is very **competitively priced** and typically used at **low addition rates**.
- SteriTouch® Universal Masterbatch is suitable for **PE, PP, PVC, PU, ABS, Styrene, Acetal & Santoprene**.
- SteriTouch® Universal Masterbatch is available from stock for **next day delivery**.
- SteriTouch® Polymer Specific Masterbatches are available for **clear and high performance polymers**.
- SteriTouch® masterbatch has **no impact on the physical properties** of the moulded product.
- SteriTouch® masterbatch can incorporate **pigments and speciality additives**.
- SteriTouch® masterbatch is available in pellet form for **injection, extrusion and blow moulding**.
- SteriTouch® masterbatch is available in powder form for **rotational moulding**.
- SteriTouch® masterbatch is **manufactured in the UK**.

Antimicrobial Powder Coat

The glass clear SteriTouch® powder can be applied directly to surfaces such as brushed stainless steel, creating a protective antimicrobial coating without reducing the cosmetic appeal of the product.

SteriTouch® powder coat can be used in place of conventional powder with no processing changes and minimal additional cost



SteriTouch® powder coat utilises a silver based antimicrobial developed specifically for powder applications. The level of antimicrobial is higher than in competing products, ensuring absolute confidence in the performance of the coating.

- SteriTouch® powder coat requires **no changes to existing application processes**.
- SteriTouch® powder coat incorporates the **high performance SteriTouch® antimicrobial additive**.
- SteriTouch® powder coat can be supplied in **any RAL colour**, with gloss or matt finish.
- SteriTouch® powder coat is available as a virtually **glass clear finish** for decorative surfaces.
- SteriTouch® powder coat provides **excellent coverage**.
- SteriTouch® powder coat will **remain antimicrobial for the lifetime of the coating**.
- SteriTouch® powder coat is sufficiently **robust** for demanding applications.
- SteriTouch® powder coat is **manufactured in the UK**.
- Our **colour matching service** will ensure a seamless transition to SteriTouch® powder coat.

Antimicrobial Additives

SteriTouch® additives have been successfully incorporated into a variety of products, including powder coats, water and solvent based paints, printing inks, lacquers, varnishes, resins and UV cured protective coatings.

SteriTouch® is available in both powder and liquid form, suitable for incorporation into powders, paints, lacquers, inks and resins



SteriTouch® antimicrobial additives are available in two forms; aqueous liquid dispersions and dry powders. All additives will provide long term protection against the growth of bacteria.

- SteriTouch® liquid additive is suitable for addition to most liquids, including **paints, inks & lacquers**.
- SteriTouch® liquid additive is readily **dispersed by simple mixing**.
- SteriTouch® liquid additive is typically used at **1-2% by weight**.
- SteriTouch® powder additive is suitable for **incorporating into liquids or blending with other powders**.
- SteriTouch® powder additive is typically used at **0.5%-1% by weight**.
- SteriTouch® powder additive has **no adverse effect on physical characteristics**, including colour.

Since it is essential to carefully evaluate any product into which an antimicrobial has been incorporated, SteriTouch® are pleased to offer a initial complementary testing service to ensure a satisfactory level of performance is achieved.

Antimicrobial Testing

SteriTouch® products are routinely tested against E. Coli and MRSA and, where appropriate, shipped with a test report including independent certification confirming antimicrobial performance.

The performance of every SteriTouch® product is independently verified by leading antimicrobial test laboratories in the UK and Japan



Confidence in the accuracy of results is important in any testing regime, but is even more so when evaluating antimicrobial performance. SteriTouch® uses only established laboratories specialising in antimicrobial testing, ensuring consistent and repeatable results.

- All products are **independently tested** against E. Coli and MRSA.
- Further testing is available against **most illness-causing organisms**, including Listeria and Salmonella.
- Testing is carried out according to the internationally recognised **JIS Z 2801:2000** standard.
- **Comprehensive test reports** include test data, analysis, interpretation and certificates.
- **Initial testing is free of charge** for product evaluation.
- Economical ongoing testing for **batch certification** with full traceability.
- **Continual assessment of laboratory performance** using 'known good' and 'known bad' samples.

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