

SteriTouch Technical Data Sheet

Antimicrobial Testing and Efficacy

Materials containing **SteriTouch®** additives have been tested against a broad range of organisms and have consistently demonstrated excellent levels of performance.

Bacteria

Typical testing methods:

JIS Z 2801:2000
ISO 22196:2011

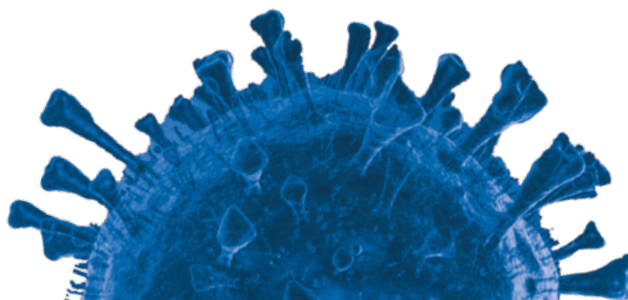
Acinetobacter calcoaceticus [IFO-13006]
Bacillus cereus [NRBC-13494]
Bacillus subtilis [NRBC-3134]
Corynebacterium xerosis [NRBC-12684]
Enterococcus faecalis [IFO-12580]
Enterococcus hirae [NBRC-3181]
Escherichia coli [NBRC-3972]
Klebsiella pneumoniae [IFO-13277]
Methicillin Resistant Staphylococcus Aureus [KB-1006]
Methylobacterium mesophilicum [IFO-15688]
Micrococcus luteus [IFO-3333]
Proteus rettgeri [IFO-13501]
Pseudomonas aeruginosa [NBRC-12689]
Salmonella enteritidis [NBRC-3313]
Serratia marcescens [IFO-12648]
Shingomonas paucimobilis [NBRC-13935]
Staphylococcus aureus [NBRC-12732]
Staphylococcus epidermidis [NBRC-13889]
Streptococcus mutans [IFO-13955]
Streptococcus pyogenes [ATCC-19615]
Vibrio parahaemolyticus [NBRC-12711]

Mould & Fungus

Typical testing methods:

ASTM G21

Alternaria alternata [NBRC-31188]
Aspergillus flavus [IFO-30106]
Aspergillus niger [NBRC-6341]
Aureobasidium pullulans [NBRC-6353]
Candida albicans [IFO-1060]
Chaetomium globosum [NBRC-6347]
Cladosporium cladosporioides [NBRC-6348]
Fusarium oxysporum [NBRC-9965]
Gliocladium virens [NBRC-6355]
Paecilomyces variotii [NBRC-30539]
Penicillium citrinum [NBRC-6352]
Penicillium funiculosum [NBRC-6345]
Rhodotorula mucilaginosa [IFO-1536]
Trichophyton mentagrophytes [NBRC-6124]



INDEPENDENTLY TESTED FOR COMPLETE PEACE OF MIND



The antimicrobial performance of Poole Waite & Co Ltd products is confirmed by independent testing to the international standard ISO 22196, ensuring that all products containing SteriTouch® additives meet our stringent requirements relating to performance.

SteriTouch® is a registered trademark of Radical Materials Ltd.

Poole Waite & Co Ltd 020 7253 8117 | sales@poolewaite.co.uk | www.poolewaite.co.uk

POOLE WAITE

SELECTIVE IRONMONGERY STOCKIST

Protective Finish Technical Data Sheet

This information relates to our antimicrobial polyurethane based protective coatings. Available in clear coat formulation, matt black and matt white finishes.

Product Description

A specially formulated, hardwearing and extremely durable protective coating designed for both Exterior and Internal use, that offers excellent corrosion resistance and exhibits exceptional smoothness, clarity and excellent flexibility. The product has a high tolerance of high film thicknesses without affecting flow, and is thus very suitable for intricate pieces where an aesthetic finish is desired. An antimicrobial additive is present that antagonises the settlement of microorganisms on the surface of the cured protective coating film.

Product Coating Properties

Chemistry	Thermosetting hydroxyl functional polyester cured with a blocked isocyanate curing agent
Application	Corona electrostatic spray. The system can be modified for Tribo application as required.
Coating Thickness (DFT)	General recommendation is 80-100 microns (μm), with a minimum thickness of 70 μm
Gloss (ISO 2813)	Matt <5 GU on a 60 degree head (the sheen was measured over a black substrate; as the product is clear, chrome or other metallic surfaces may give a higher gloss reading).
Specific Gravity	1.21 g/cm ³
Coverage	Up to 11.9 m ² /kg at 70 microns film thickness
Curing Schedule	10 minutes at 200 Celsius (object temperature)

Mechanical Tests

Unless otherwise specified, all tests were carried out under laboratory conditions on 0.8mm degreased and zinc phosphated steel panels. A powder coating DFT of 60-70 microns was used.

Hardness	ISO2815 Buchholtz Indentation	>80
Flexibility	ISO 1519 Cylindrical Mandrel Pass	>3mm
Adhesion	ISO 2409 2mm Crosshatch	Pass Gt0
Cupping	ISO 1520 Erichsen	Pass >6mm
Impact	BS 3900: Part E7	>20kg cm (N)

Corrosion and Durability

Salt Fog scratch	ISO 7253 (250 hours)	Pass – Corrosion creep <2mm from
Mortar Resistance	ASTM C207	Easy to remove. No staining
Boiling Water	2 hours boiling water	No defects or detachments
Exterior Durability	After 12 months, minimal loss of gloss or colour change. No film breakdown or reduction in protective properties.	
Chemical Resistance	Resistant to most acids, alkalis and oils	

SteriTouch® is a registered trademark of Radical Materials Ltd.