



## Anti-microbial / Hardcoated

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### Product Description

PPC01/Anti-Microbial (Anti-Mould) Anti-Microbial Abrasion & Chemical Coating

PPC01/Anti-Microbial is a UV Cured Anti-Microbial coating that provides both excellent chemical and abrasion resistance. This is available in both our Gloss and Matt Finishes.

### Intended Uses

PPC01/Anti-Microbial is applied by spray to our Acrylic. It is based on a **Urethane Acrylate Monomer** and provides excellent chemical resistance as well as protection from 'yellowing' from the sun's harmful UV rays.

The product has also been tested as an **Anti-Mould** coating using test method **ASM G21-09** and was proven to prevent mould forming, even after 28 days from inoculation.

### Practical Information

This product is sold in a Gloss or Matt finish. It has been tested against many pathogens and has proven to be **over 99% effective against E-Coli, MRSA, Salmonella, Aspergillus niger and Campylobacter Jenjuni.**

### Coating Adhesion

Using test method **ASDM D3359 DN53 15** the coating adhesion was 100% stable, including after a 72 Hour soak.

### Hardness

We tested the hardness of the coating using two test methods.

1. Using test method **ASTM D3363** the acrylic gained a result of **6H**.
2. Using test method **ASTM D1003, after 100 cycles**, the Acrylic gained a result of **<5%**

### Chemical Resistance

**ISO test method 2812-4 at 24 hours.**

- ✓ Ketones
- ✓ Alcohols
- ✓ Esters
- ✓ Glycol Ethers
- ✓ Aromatics
- ✓ Aliphatics
- ✓ Alkalis
- ✓ Acid
- ✓ Diesel
- ✓ Petrol

There has also been substantial testing of many different agents carried out by many of our customers, including military chemical agents, all with positive results. However, we would always recommend you undertake specific testing of the chemical or compound in question.