

Anti-Microbial **All Surfaces**

Water based, hydrophobic, self-cross linking pure acrylic anti-bacterial coating for all surfaces

A one component, hydrophobic, highly adhesive, and flexible new generation water based self-cross linking pure acrylic containing silver chloride technology to provide a highly resistant anti-bacterial finish for interior & exterior surfaces.

Intended Uses:

Anti-Microbial All Surfaces is specifically designed to protect surfaces from the development of bacteria, yeast & fungi. Due to its high adhesion promotion properties, it can be used on a wide variety of different surfaces including cement plaster, brickwork, gypsum plaster, ceramic tiles, wood, metal, and galvanized iron.

Anti-Microbial All Surfaces in addition to its anti-bacterial properties will provide surfaces with an exceptionally hard-wearing finish that is weather resistant & resistant to constant cleaning. This product is suitable for areas with constant water, humidity & steam such as bathrooms/change rooms, kitchens, hospitals, food processing facilities, sauna's, steam rooms & abattoirs.

Properties:

- Anti-bacterial properties. Surfaces are resistant to the development of bacteria, yeast, mould, and fungi.
- Good washability & scrub resistance.
- Hydrophobic - excellent water resistance.
- Very flexible.
- Smooth silk matt finish.
- Stain resistant.
- Alkali resistant.
- Excellent adhesion to a variety of different surfaces.
- Excellent exterior durability with long lasting colour.

Antibacterial Resistance Chart:

Test Organisms		
Bacteria	Moulds	Yeasts
Pseudomonas aeruginosa	Aspergillus niger	Candida albicans
Escherichia coli		
Staphylococcus aureus		

Technical Data:

Composition	Self-cross linking pure acrylic
Colour	Any
Pack Size	5 & 20 Litre
Appearance	Silk matt
Density (Kg/ Lt)	1.20
Mass Solids	50%
Volume Solids	42%
Viscosity KU	Approx. 90 – 100 KU
Recommended DFT per coat	Min 25µm – Max 35µm
Recommended WFT per coat	Min 65µm – Max 90µm
Spreading Rate	10.8 m ² / Litre at 35µm DFT
Storage	Store out of direct sunlight in dry conditions between 15°C and 25°C

Architectural & Decorative: Anti-Microbial Paints

Page 1 of 2

Shelf Life	12 months when stored as recommended in original un-opened containers
Clean Up	With water
Drying time	Touch dry 30 minutes @ 25°C
Overcoating Time	1 hour @ 25°C (Drying times extended in cold, wet, or humid conditions)
Application Environment	Surface - Minimum 10°C – Maximum 50°C Ambient – Minimum 10°C – Maximum 35°C Dew Point >3°C Relative Humidity Minimum 10% - Maximum 85%

Surface Preparation

In general, the following guidelines for preparation should be adhered to. Always consult for a detailed specification.

- The areas to be coated should be dry, firm, solid and free from dust, oil, fats, and other contaminants.
- Surface must be free of any fungal growth or algae, clean with Fungicidal Wash
- Laitance and loose particles must be removed thoroughly i.e. grinding /high pressure cleaning

Substrate	Notes
Cement Plaster, Concrete, Porous Brickwork	Ensure concrete has dried for 4 weeks and cement plaster for 2 weeks.
Ceramic Tiles	Clean with Hydrosolve Degreaser and rinse thoroughly with water
Mild Steel	Clean with Hydrosolve Degreaser and rinse thoroughly with water.
Galvanized Iron	Clean with Galvanized Iron clear and rinse thoroughly with water
Previously Painted in Good Condition	Clean with weak solution of Hydrosolve Degreaser and rinse thoroughly with water.
Previously Painted in Poor Condition	Remove any poorly adherent paint by most appropriate means necessary. Clean with a weak solution of Hydrosolve Degreaser and rinse thoroughly with water
Wood	Pre-treat with LignaPrime Anti-Rot Wood Impregnating Agent to prevent wood rot.

Mixing:

Stir thoroughly with a flat paddle.

Application:

Apply by brush, roller, or airless spray. Do not dilute.

Caution:

- Always consider a test patch to check suitability & adhesion.
- Always consult with technical department if unsure.
- Refer to product MSDS for health & safety prior to using products.
- Always wear safety clothing / protection. Respirators, eye protection and skin protection.

Systems:

Consult with Specialized Coating System for application specific recommendations.

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Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product