

Data Sheet: easy-on+ Biomaster Antimicrobial Coating

Products:

easy-on+ Biomaster Antimicrobial wall coating

Description:

A clear protective coating that can be applied to most surfaces to provide durability to existing coatings, protection of bare substrates, exceptional graffiti resistance, and the safe inhibition of bacterial growth.

Benefits:

- Hard wearing finish cleans 100's of times
- Safely inhibits the growth of bacteria
- Protects painted walls for up to 20 years
- Resists graffiti
- Easily cleaned – Spray paints, permanent markers, felt tip, ball-point pen etc just wipe off
- Single coat = low applied cost
- Can be applied over existing base coats and decorative finishes
- Resistant to damage from repetitive cleaning operations
- Low VOC – safe and virtually odourless
- Non flammable
- Class '0' fire rating
- Does not contain Isocyanates
- Graffiti removed with safe removers and water
- Cost effective
- Resists mould and fungi
- Does not support growth of MRSA, Salmonella, Listeria, E Coli etc
- Class 1 Flame spread in accordance with BS 476, part 7 "0" class fire rating in accordance with UK building Regulations, based on testing according to BS 476 parts 6 & 7 (fire propagation)
- Approved by the US Department of Agriculture for incidental contact with meat or poultry food.

Application:

- Coating is used UNDILUTED
- Use spray, brush or roller
- Ensure total coverage of all areas to be protected
- See separate detailed Application Guide.

Application Equipment

Brush, roller or spray (Conventional or HVLP)

Written details can be supplied on request.

Health & Safety

See separate Health & Safety Data / SDS Sheet

Benefits & Technical Data: easy-on+ Biomaster Antimicrobial Coating

Benefits

- **Resists the growth of harmful bacteria**

The Biomaster additive in easy-on+ is proven to reduce the growth of common organisms such as MRSA, E.Coli and Listeria by up to 99.99%

- **Apply to any surface!**

Compatible with clean metals, brick, concrete, tile, mortar, timber, plaster, etc or as a protection over existing coatings.

- **Best value!**

Can be washed and scrubbed clean

- **Weathering and UV resistant!**

Up to 22 years protection.

- **Stop using harmful chemical removers!**

Graffiti washes away with safe removal products.

- **Tested by Materials Research Institute**

Proven effective against rigorous long term graffiti cleaning. No other product has passed the MRI test.

Typical uses

easy-on+ Biomaster Anti-microbial forms a washable seamless barrier that inhibits the growth of bacteria by up to 99.99%.

Boasting all the benefits of regular easy-on; it also protects your walls from damage, allowing them to be wiped clean thousands of times.

Outstanding Characteristics

The superior hardness and excellent resistance to bacteria helps to prevent infection, and enables the removal of graffiti without harmful aggressive cleaner products. easy-on+ is user friendly and compliant with environmental legislation.

Technical Data

Physical Data

Colour: Transparent

Finish: Sheen

Substrates: Concrete, tile, mortar, existing coatings, metals, timber etc.

Components: 2 (resin + cure)

Curing mechanism: Chemical reaction between components

Dry film thickness: 25 - 50 microns

Number of coats: 1 (usually)

Moisture permeability: 35gm/ m²/24 hours

SG of mixed product: 1.10 kg/L

VOC content: <8% weight

Calculated coverage: 33 m² per litre @ 25 microns

Practical coverage: 9 - 33 m² per litre*

*Dependant upon application losses, surface irregularities, porosity, waste, etc

Application: By brush, roller, low pressure HVLP or conventional spray equipment.



wallcoatings

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Quality Assurance

The long term experience and certified systems of the manufacturer guarantee a continuous product quality, optimum performance and dependable product supply.

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Environmental conditions

Air temperature: 5°C to 50°C

Surface temperature: 5°C to 45°C

Material temperature: 5°C to 40°C

Relative humidity: >40%

To prevent condensation during application, surface temperature must be at least 3°C above dew point.

Pot life:** 4 hours at 20°C

Touch dry:*** 3 - 4 hours @ 20°C
(@25 microns dft)

Full chemical cure:**** 7 days

Storage life: 12 months in cool, dry place in sealed containers

Equipment Cleaner: Xylene or spray gun cleaner

Flammable: Yes

Flash point: Resin: N/A Cure
Cure: Closed cup: 56°C

Packaging:

Resin: 3.75 l in 5 litre can

Cure: 750ml in 1 litre can

** Pot life time depends on temperature and quantities mixed.

*** Touch dry time depends on climatic conditions and coating thickness

*** Do not attempt to clean the coating with any chemical until it has fully cured (7 days at 20°C)



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Application Guide: easy-on+ Biomaster Antimicrobial Coating

Coating performance is proportional to the degree of surface preparation. Surfaces must be clean, dry (<6% moisture), undamaged and free of all contaminants prior to coating.

Many modern surfaces, especially when new, have a layer of grease, oil or other contaminants on them. To ensure good adhesion it is important these surfaces are thoroughly cleaned with a water based degreaser and that the degreaser used is then washed away before attempting to apply the coating. Both the contaminants and the degreaser can reduce adhesion so cleanliness must be considered critical.

- Prepare damaged areas to original surface preparation specifications, feathering edges of any intact coating system.
- For optimum application, temperature of the material should be between 20°C and 30°C prior to mix and application.
- Gradually add total contents of Cure tin into Resin tin and stir thoroughly to a uniform consistency.
- Apply one thin coat by brush or small roller without diluting. See below for spray instructions.
(See technical data sheet for spreading rates)
- Use a cross-lapping method of application to avoid misses and ensure corners and edges are covered.
- If the surface is porous do not attempt to cover with one application. Apply a thin coat, leave for 3 – 4 hours to partially reduce porosity, and then apply a second light and even coat.

Suggested Surface Preparation:

Plaster: Surface must be dry

Stainless Steel: Abrade, sweep blast or high pressure water blast.

Aluminum: Degrease followed by abrading blast or chemical conversion treatment.

Galvanizing: Degrease followed by abrading or chemical conversion treatment.

Concrete: New concrete - Abrade to remove laitance.
Aged concrete must be thoroughly cleaned.

Aged Coatings All surfaces must be clean & dry, tightly bonded and free of loose flakes (existing paint) and corrosion products.

Brick/stone All surfaces must be clean and dry and free of loose material.

Timber, etc Ensure surfaces are clean and dry.

Spray Instructions:

With all spraying it is advisable to warm the material before use to 20°C and pass the mixed material through a 400 mesh filter. Use two quick passes – one horizontal, one vertical to ensure overall coverage.

HVLP+ Walter pilot:

- Use 2,2 bar pressure with the 1,8 mm nozzle.
- WFT should be between 25 and 40 microns.

Conventional air spray (pressure pot):

- Use 0,2 bar material pressure and 3,5 bar assisted air pressure.
- Apply the recommended WFT of around 25/30 microns.

**ALWAYS CLEAN OUT THE UNIT THOROUGHLY WHEN FINISHED SPRAYING.
LEAVE A SMALL AMOUNT OF CLEANER IN THE SPRAY POT.**