

## Bio-Tec Acrylic Matt

Fleetwood Bio-Tec Acrylic Matt is a premium water-based antibacterial coating with a smooth, flat finish. It offers built-in protection against harmful bacteria while delivering a modern, low-sheen aesthetic for hygiene-critical spaces.



### PRODUCT DESCRIPTION

Fleetwood Bio-Tec Acrylic Matt is a durable, washable matt finish formulated to inhibit the growth of bacteria such as MRSA, Salmonella, and E. coli on painted surfaces. Ideal for healthcare settings, educational institutions, kitchens, and high-traffic public areas, it combines strong antibacterial performance with a stylish, contemporary appearance. Its low odour and low VOC content make it suitable for use in occupied environments, while the tough, scrubbable surface extends the maintenance cycle. Bio-Tec Acrylic Matt is the perfect choice for projects that demand hygiene, longevity, and visual appeal.

### USES

- Operating theatres
- Hospital wards
- Clinics
- Doctors Surgeries
- Veterinary Hospitals
- Pharmaceutical manufacturing
- Food preparation areas
- Commercial catering and kitchen units
- Nursing or care homes
- Detention centres or prisons
- Hotels
- Abattoirs
- Dairies
- Schools

### CHARACTERISTICS / ADVANTAGES

- Excellent durability, low odour, flash rust resistant
- Inhibits growth of MRSA, E.Coli and other bacteria
- Tested & Complies to Japanese JIS Z 2801:2000
- Contains highly active silver ion bactericide technology.
- Excellent adhesion giving superior abrasion resistance
- LRV Rating 90
- Low VOC and odour
- Easy application by spray
- Excellent coverage and opacity

### APPROVALS / STANDARDS

#### VOC Content

- 2004/42/EC EU limit value for this product (cat.A/aWB): 30g/l (2010) This product contains max. 1g/l VOC.

#### Test for Antimicrobial Activity

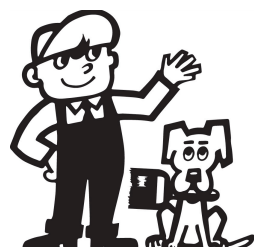
\*This product was tested in Trinity College Dublin, against a modified version of JIS Z 2801:2000. A Japanese Industrial Standard for testing the antimicrobial activity of products, especially those made of plastics, metals, or ceramics. It quantifies the ability of a surface to inhibit bacteria, with a common focus on E. coli and S. aureus. This test is used to assess the effectiveness of antimicrobial agents on various surfaces, including those in healthcare and consumer products



### Need help? Speak to the experts

Our dedicated team are here to help. If you have any queries on this product, or any product in the Fleetwood range, queries about preparation or application, or can't find your required colour, call us today

Technical Assistance: Email: [technical@fleetwood.ie](mailto:technical@fleetwood.ie) Tel: +353 49 854 7209 (weekdays 9am-5pm)  
Colour Advice: Tel: +353 49 854 7209 (weekdays 9am-5pm Saturdays 8am - 4.30pm)



## Colour

**Colours** Brilliant White & Tinted to pastel colours

**Colour Collections** Fleetwood Colour Perfect, NCS, Sherwin Williams, Pantone, BS British Standard, & RAL



## Specification

**Composition** Acrylic copolymer dispersion

### Number of Components

**Recommended number of coats** 2 coats are recommended. Coverage may vary depending on the profile, porosity of the substrate and application method.

**Usage Interior/Exterior** Interior.

**Application Tools** Brush, roller or spray.

**Coverage** Approx. 12m<sup>2</sup> per litre, per coat.

**Overcoat Times** Recoat after 2 - 4 hours.

**Curing Time** Touch dry in 1 -2 hours 7 days to full cure.

**Suitable For** New or previously painted drywall, plaster, cement, concrete and other paintable surfaces.

**Min. application temperature** 4°C

**Pack Size** 2.5, 5, & 10litre

**Shelf Life** 3 years in unopened container.

**Storage** Do not allow to freeze.

**Cleaning Tools** Wash application tools in warm, soapy water immediately after use. .

**Principle Limitations** Not intended for application to floors or any surface subject to water immersion or prolonged contact with water including shower enclosures, saunas, steam rooms. Not recommended for use in HVAC duct work.  
Please contact us regarding applications not described here

## Product Information

**Pack Sizes:** 2.5, 5, & 10litre

**Colour Range:** Brilliant White plus pastel colours from the Colour Answers tinting system

**LRV Range:** 90

**VOC Content:** Contains max VOC; 1g/l  
Conforms to EU 2010 Directive (Cat A/a) 30g/l

<b>Composition:</b>	<b>Pigment:</b> <b>Binder:</b> <b>Solvent:</b>	Lightfast Pigments Acrylic copolymer dispersion Water
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<b>Solids:</b>	<b>Volume Solids:</b> <b>Weight Solids:</b> <b>Specific Gravity:</b> <b>Gloss:</b> <b>pH -Value:</b> <b>Water vapour transmission rate:</b>	32% (+/- 2%) 47% (+/- 2%) 1.27 g/ml (+/- 0.15) < 5 @ 85° > 8.2 V> 600g/g/m <sup>2</sup> /d
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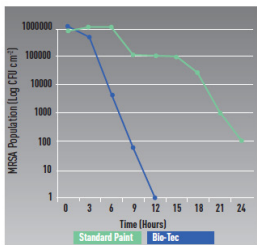
### Technical Data Sheet

Bio-Tec Acrylic Matt  
F349

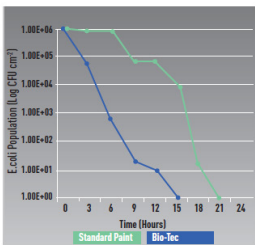
February 2025  
Issue 3

Product Information Cont.

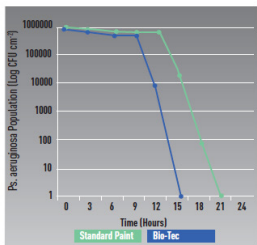
Surface Preparation:	Surfaces to be painted must be in sound condition. Use in accordance with good painting practice. Remove oil, grease and flaking material. Treat powdery surfaces with Fleetwood Masonry Primer. Surfaces to be painted must be sound, clean, dry and free from all defective or poorly adhering material, dirt, grease and salts. New plaster and masonry must be fully dry before priming. Treat powdery surfaces with Fleetwood Masonry Primer. Use in accordance with good painting practices
Application:	Brush, roller, spray & airless spray. As with other water-based paints, do not apply in temperatures below 5°C
Spreading Rate:	As a guide, a coverage rate of up to 12m <sup>2</sup> /litre can be achieved under normal conditions
Reduction:	Reduce by up to 20% as required by application and or equipment. When applying over previously painted matt surfaces, it is good practice to apply the 1st coat at 10% dilution.
Spray Recommendations:	<b>Conventional Spray:</b> Satisfactory through most equipment. <b>Airless Spray:</b> A typical recommendation for airless spray application is a minimum working pressure on paint of 140 kg/cm <sup>2</sup> (2000 lb/in <sup>2</sup> ) with a spray tip size of 0.38mm to 0.46mm (15 - 18thou) spray tip angle 65°. Filter mesh 60
Drying Time:	Touch Dry: <b>1 - 2 hours</b> Recoat: <b>2 - 4 hours</b> This is dependent upon temperature and humidity. Darker colours may take longer 26°C to 50% RH @ 100 µm
Cleaning Up:	Clean up with soap and water. After cleaning up be sure to flush spray equipment with solvent to prevent rusting following manufacturer's instructions. Dispose of can in accordance with local authority guidelines.
Tinint Instructions:	Tint only with Fleetwood Tinting systems
Previsouly Painted Surfaces:	Keep out of reach of children. Ensure good ventilation during application and drying. If the product comes in contact with the eyes rinse immediately with plenty of water. To remove splashes from skin, use soap and water or a recognised skin cleaner. Do not take internally. Contains no added lead.
Precautions:	If in sound condition, clean the surface of all foreign material. Glossy surfaces must be rubbed down to provide a key. If paint is peeling or badly deteriorated, clean to sound substrate and treat as new. Do not use or store in extremes of temperature and protect from frost. To prevent spillage, please store and transport all containers in upright position. Select sensible working clothes that cover as much of the body as possible. Always wear gloves and use eye protection. Do not touch your mouth or eyes with your gloves. Do not take internally. If medical advice is required ensure product container or label is at hand. <b>Contains no added lead.</b>
Testing:	*This product was tested in Trinity College Dublin, against a modified version of JIS Z 2801:2000 a Japanese Industrial Standard for testing the antimicrobial activity of products, especially those made of plastics, metals, or ceramics. It quantifies the ability of a surface to inhibit or kill bacteria, with a common focus on E. coli and S. aureus. This test is used to assess the effectiveness of antimicrobial agents on various surfaces, including those in healthcare and consumer products



MRSA  
(Methicillin-Resistant Staphylococcus aureus)



E. coli



Pseudomonas aeruginosa

Limitations:

The above information is not intended to be exhaustive or complete. The information is based on laboratory tests and practicaexperience, and it is given to the best of our knowledge. As manufacturer we cannot control the conditions under which the product is being used or the many factors that have an effect on the use and application of the product. We do not hold gurantee for any damages caused by using the product against our instructions or for inappropriate purposes. We reserve the right to change the given information unilaterally without notice. If you have any queries or concerns about using this product, please contact us before application on +353 49 854 7209 technical@fleetwood.ie

Technical Data Sheet

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F349  
Febuary 2025  
Issue 3