

# F145

# BIO-TEC ACRYLIC COATING

## PRODUCT DESCRIPTION

A water-based quick-drying self-sterilizing Satin finish containing a special cocktail of bacteriacides, fungicides, algicides that are proactive in providing a sanitary coating for all general purpose areas.

## CHARACTERISTICS

COLOUR/FINISH:-

Brilliant White and various colours to order.  
Satin Finish.

## DRYING SCHEDULE

(Temperature and humidity dependant)

@ 26oC 50% RH @ 4 Thou wet.

To Touch - 1-2 hours

To Dry - 4 hours

## SPECIFIC GRAVITY

1.25+/-0.15

## WEIGHT SOLIDS

50+/-2%

## VOLUME SOLIDS

35+/-2%

## VEHICLE TYPE

100% Acrylic Emulsion

## USES

Low odour/no shutdown sanitary coating system

- o Clean Rooms
- o Hospitals
- o Institutional Kitchens
- o Food plants
- o Laboratories
- o Processing Equipment
- o Pharmaceutical houses
- o Exterior storage tanks
- o Manufactured equip
- o Structural steel
- o Masonry construction
- o Schools

## PRECAUTIONS

Keep out of reach of children.

Ensure good ventilation during application and drying.

In case of contact with 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. APPLICATION

Temperature (air, surface, material) (at least 4oC above dew point) 10oC to 42oC. Relative Humidity 75% Maximum.

## SPREADING RATE

10-12m<sup>2</sup>/ltr

on smooth non porous surface.

## METHODS

Brush, roller, airless spray.

Airless Spray:- Minimum pressure 138bars (2000lb.sq in).

Tip Size:- 0.38mm - 0.46mm (15-18 Thou).

Filter:- 60 mesh.

Angle:- 65 degrees

Always flush spray equipment with water prior to applying Bio-tec Water Based Coatings.

## MIXING INSTRUCTIONS

Thoroughly mix paint before use by stirring and boxing.

**PERFORMANCE INFORMATION**

Meets performance requirements of ASTM D3730.

Corrosion and chemical resistant.

Impact and abrasion resistant

Pro-active killing effect on many bacteria and fungi including:-

**BACTERIA**

Staphylococcus aureus, Enterococcus faecalis, Escherichia coli, Salmonella Typhimurium, Shigella boydii, Pseudomonas aeruginosa, Corynebacterium pseudodiphtheriae, Bacillus subtilis.

**FUNGI**

Candida albicans

Penicillium chryseogermum

Aspergillus niger

**CLEAN UP**

Clean up with soap and water. After clean up be sure to flush spray equipment with solvent to prevent rusting following manufacturers instructions.

**REDUCTION**

Reduce up to 10% with water as required by application equipment. SURFACE PREPARATION

Interior Plastered Walls and Wood:- Ensure all surfaces are clean, dry and sound. If powdery or very uneven for porosity, treat with Water Based Stabilising Solution.

Prime with one coat Bio-tec Acrylic Primer thinned 15% with Water. Topcoat with 2 coats of Bio-tec Acrylic Coating.

NB. If filling after the Prime Coat use high quality ready mixed filler as some powdered fillers remain powdery over a sealed surface.

Drywall (plaster board):- Fill cracks and nail holes with exterior grade filler/spackle and sand smooth. Remove all sanding dust. Paint as per plaster above.

Concrete Block and Masonry:- Surface temperatures must be at least 13oC before painting. All masonry must be free of moisture, dirt, oil, masonry dust and mortar. Poured, trowled or tilt-up concrete, plaster, mortar etc. should be cured for at least 30 days at 25oC. Form release compounds and curing membranes must be removed by brush blasting. Paint as per plaster above.

Iron and Steel:- Minimum preparation is power tool clean per SSPC-SP3. Best results are obtained using commercial blast cleaning per SSPC-SP6.

Prime with DTM Primer Finish followed by 2 coats of Bio-tec Acrylic Coating.

Aluminium:- Remove all oil, grease, dirt etc. by solvent cleaning as per SSPC-SP1. Paint as per steel above.

Galvanised:- Solvent Clean as per SSPC-SP1 and apply etch primer E61G520. Paint as per steel above.

**PREVIOUSLY PAINTED SURFACES**

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 weathered, clean to sound substrate and treat as new.