

## AMEE TUFF High Performance Hygiene Coatings for Walls and Ceilings

Hygienic protection is a major concern for food and drink manufacturers, kitchens, hospitals, pharmaceutical companies and operators in the leisure industry. Meeting demanding new hygiene regulations and customer demands for the highest standards of cleanliness requires a hygienic operating environment as well as sterile equipment and hygiene focussed methods and procedures.

### AMEETUFF ANTI BACTERIAL COATING IS OIL BASE Elastomeric Biostatic Coating Range.

AMEETUFF range of high performance hygiene coatings for walls and ceilings have been specially manufactured to meet the needs of all hygiene sensitive environments. They are resin-rich biostatic membranes which use a unique dual action to combine the very latest encapsulated biocide technology with silver ion technology to give zero leaching into the surrounding environment, whilst at the same time, being totally safe to use. This latest generation of in-film protection allows for the ultra slow controlled release of active ingredients into the coating film throughout the long life. Utilising the most modern chemistry, AMEETUFF membranes effectively prevent the growth of mould and bacteria whilst forming a totally non-toxic film which does not taint items stored in close proximity. The advanced styrene acrylic micropolymer resin binder cross links to give excellent adhesion which will be unaffected in conditions of elevated humidity. AMEETUFF membranes are vapour permeable, and the elastomeric nature facilitates movement in the substrate, thus bridging hairline cracks to give outstanding durability. AMEETUFF membranes can be reinforced either locally or overall to accommodate higher levels of substrate movement.

### Advantages of AMEETUFF

- Unique dual action in-film protection combined with silver chloride technology.

- Long lasting with complete in-film protection throughout the life of the applied coating.
- Effective against a wide variety of micro-organisms whilst being totally non-toxic.
- TWO PACK , OIL -based formulations with very low odour.
- Permanently elastomeric nature accommodates thermal movement without cracking, flaking or splitting.
- Low hazard, products . Equipment easily cleaned with water.
- Inherently vapour permeable to allow substrates to breathe and dry out without blistering, whilst preventing water ingress even during regular cleaning.
- High opacity gives excellent obliteration to cover underlying colours.
- Easily reinforced locally over cracks and joints, or overall to effectively seal crazed surfaces.
- Low maintenance coatings, easy to clean and refurbish.
- Available in a wide range of attractive colours (AS PER REQUIREMENT).

Resistance to Mould, Fungus, Bacteria Algae

The AMEETUFF range has been subjected to Resistance Tests to ensure resistance and in-film protection properties, to confirm the

Biostatic nature.

Test methods and challenge micro-organisms include:

- Mould/Fungi (Film Fungal Preservation Test - Cabinet Method)

Challenge micro-organisms are:

*Alternaria alternata* *Phoma violacea*

*Aspergillus versicolour* *Rhodotorula rubra*

*Aureobasidium pullulans* *Sporobolomyces roseus*

*Cladosporium cladosporoides* *Stachybotrys chartarum*

*Penicillium purpurogenum* *Ulocladium atrum*

- Bacteria (Wet State Bacterial Resistance Test)

Challenge micro-organisms are:

Aeromonas hydrophila Klebsiella pneumonia

Alcaligenes faecalis Proteus vulgaris

Cellulomonas flavigena Providencia rettgeri

Corynebacterium ammoniagenes Pseudomonas aeruginosa

Enterobacter aerogenes Pseudomonas stutzeri

Escherichia coli Serratia liquefaciens

- Algae (Vermiculite Bed Method)

Challenge micro-organisms are:

Chlorella emersonii Gloeocapsa sp.

Nostoc commune Pleurococcus sp.

Stichococcus bacillaris Stigeoclonium tenue

Trentepohlia auerea Trentepohlia odorata

- General Growth Resistance (bacterial, mould/yeasts)

In this test, a range of micro-organisms are assessed using selective nutrient beds to ensure no microbial growth.

The test includes resistance to both aerobic and anaerobic (sulphate-reducing) bacteria.

AMEETUFF Range Product Summary

The AMEETUFF range currently consists of AMEETUFF HB and AMEETUFF GLOSSY.

#### AMEETUFF HB

AMEETUFF HB is particularly suitable for substrates that are subject to movement. It has an elongation at break point of 519% at

200µm DFT and has a matt finish. It is a high build surface coating formulated to meet the needs of every hygiene sensitive

environment. It can be used as a coloured embedment, intermediate, and top coat for walls and ceilings to prevent the growth of

mould and bacteria. AMEETUFF HB membrane is manufactured in a wide range of attractive colours for high quality, durable decoration

even in conditions of high humidity or extremes of temperature. It is suitable for use in all HTM 56 categories

(Healthcare, Food & Beverage, Pharmaceutical, Leisure, Food Retail, Prisons, General Industrial).

Within Healthcare AMEETUFF HB is suitable for use in:

Category 1 - Operating Rooms, Aseptic Rooms

Category 2 - Food Preparation Areas, Laundry

Category 3 - Sterilising Rooms, Utility Areas, Post Operative Recovery Area, Corridors

Category 4 - Bathrooms

Category 5 - Wards, Reception Areas

Category 6 - Changing Rooms, Offices

#### AMEETUFF GLOSSY

AMEETUFF GLOSSY is a high build surface coating formulated to meet the needs of every hygiene sensitive environment.

It is applied to walls and ceilings to prevent the growth of mould and bacteria. In particular it dries to form a tough sheen

finish that is resistant to repeated cleaning regimes using a broad range of mild detergents and cleaning solutions. AMEETUFF GLOSSY

membrane is manufactured in a wide range of attractive colours for high quality, durable decoration even in conditions of high

humidity or extremes of temperature. It is suitable for use in all HTM 56 categories (Healthcare, Food & Beverage, Pharmaceutical,

Leisure, Food Retail, Prisons, General Industrial).

Within Healthcare AMEETUFF GLOSSY is suitable for use in:

Category 1 - Operating Rooms, Aseptic Rooms

Category 2 - Food Preparation Areas, Laundry

Category 3 - Sterilising Rooms, Utility Areas, Post Operative Recovery Area, Corridors

Category 4 - Bathrooms

Category 5 - Wards, Reception Areas

Category 6 - Changing Rooms, Offices

#### COVERAGE AND APPLICATION PROCESS--

Clean surface from all kind of dirt ,grease, oil ,it should be very dry .

1-apply one coat sealant to seal base and coverage depend on surface absorption ,it may vary 4 sqm per lit to 5 sqm per lit

2-apply one coat of base coat and coverage is approx 3 sqm/per lit

3-apply two coat of top coat and coverage is 3 sqm/per lit