

## ECHO ANTI-BACTERIAL EPOXY

### • DESCRIPTION & FIELD OF APPLICATION

ECHO anti-bacterial Epoxy is a two-component, high solid floor and wall epoxy coating. It produces a durable, easy to clean ceramic-like finish on interior surfaces.

ECHO anti-bacterial epoxy can be applied over properly prepared and primed concrete, masonry, common steel, or gypsum board substrates. It contains a steri-septic anti-microbial additive that inhibits the growth of bacteria, mold, mildew, and fungi for the life time of the coating, it is recommended for use in hospitals, medical research facilities, pharmaceutical laboratories, educational and recreational premises, commercial kitchens, service Food and beverage processing areas, packaging, and storage areas.

### • MAIN FEATURES

- Antimicrobial, contains antimicrobial additive which remains permanently resistant to bacterial growth
- Ideal for most food and beverage manufacturing and serving facilities
- Durable seamless surface that is easily cleaned and maintained.
- Waterproof, suitable for in-service areas exposed to high humidity
- Aesthetic, fine textured, glossy finish
- Good chemical and abrasion resistance
- High solids, low VOC, neutral odour
- Fast recoat cure properties, ideal for shutdown or fast turn around projects
- Excellent opacity and colour hiding capabilities
- Contains permanent steri-septic antimicrobial additive

### • PHYSICAL SPECIFICATIONS

- |   |   |
|---|---|
| - Vehicle   | - Acrylic Epoxy coating                     |
| - Finish  | - Gloss                                     |
| - Spreading rate  | - 6-8 m <sup>2</sup> /litre/coat            |
| - Mixed Volume Solids                                     | - 37 ± 2%                                   |
| - Weight Solids   | - 46 ± 2%                                   |
| - VOC   | - 138 g/l                                   |
| - MIX Ratio   | - 2 components,premeasured 4:1              |
| - Wet Film Thickness (dependent on the coverage achieved) | - 110 microns brush,<br>200 microns' roller |
| - Dry Film Thickness                                      | - 75 microns brush,<br>120 microns' roller  |

- **Drying Time** (dependent on temperature, humidity and film thickness)
- To Touch 25°C (6 hrs)
- To Recoat (9-16 hrs)
- To Cure (7 days)

## • SURFACE PREPARATION

- Allow **new concrete** to cure for a minimum of 28 days before application
- Substrates must be sound, clean and dry
- Remove sand, dust, dirt, oil, grease, wax, silicone, glue and all other contaminants that may affect the bond of the applicable ECHO anti-bacterial epoxy.
- All substrates must be properly prepared, primed, sealed, or filled using the applicable product before application.
- **Previously coated floors:**  
Existing coatings must be removed unless extensive testing confirms compatibility of materials and it is accepted that the existing paint or high performance coating will determine the overall performance of the newly applied coating.

## • MIXING

- Premix both components (Parts A and B) thoroughly to ensure any settled pigment is re-dispersed before adding the activator (Part A) to the base (Part B).
- It is critical to add all of Part A to B and mix for 3 minutes.
- Thinning by cold water - maximum 5% by volume
- The activated coating must be used within 1-2 hours after the mixing based on.

## • APPLICATION

- On new or uncoated concrete, a minimum of two coats of product should be applied, the first coat may be applied by roller, spray, or spread out using a rubber squeegee, then back roll to smooth out the finish. This coating can tolerate application to damp concrete; however, conditions must be favorable to allow the moisture to evaporate.
- Apply the second coat by roller, after 9-16 hours.
- Apply only when air and surface temperatures are above 10°C.

- **APPLICATION CONDITIONS**

- Apply Echo anti-bacterial epoxy at temperatures between 10°C & 35°C only.
- Do not apply Echo anti-bacterial epoxy on substrates with more than 5% moisture content.
- Do not apply Echo anti-bacterial epoxy outdoors or in areas exposed to UV.
- Do not apply Echo anti-bacterial epoxy on substrate temperatures above 35°C

- **PACKING**

- Epoxy Resin (Component "A") packed in :19-liter Pail - 1 US gallon
- Epoxy Hardener (Component "B") packed in :1 US gallon - 1 Kg Can

- **STORAGE**

- The product must be kept in cool well-ventilated place, protected from sunlight and heat.
- Containers must be kept tightly closed after partial usage.
- Storage life up to 5 years from date of production, if stored as suggested.

- **REMARKS**

- Avoid contact with skin and eyes. Wear suitable protective clothing such as overalls, goggles, dust masks and gloves.
- Ensure that there is adequate ventilation in the area where the product is being applied. Do not breathe in vapor or spray.
- All liquid paints should be kept away from children's reach.  
For more information, please do not hesitate to contact our Technical Department