

## DAIRY COAT ANTI-BAC

### 1. DESCRIPTION

Antel's Dairy-Coat Anti-Bac is a high quality medium build two component water based epoxy coating for application to new and existing concrete floors, render, and metal substrates. It provides a smooth, easily cleaned surface which is resistant to dirt, moisture, oil, light-medium abrasion and chemical attack. Where slip resistance is required, and in accordance with BS 7976-2, the addition of Anti-Slip aggregate is required in most cases.

### 2. FEATURES AND BENEFITS

- ✓ Dairy Coat Ant-Bac has been further enhanced by the addition of a highly effective anti-microbial agent that has a 99.999% kill rate against E. Coli and MRSA.
- ✓ The additive contained will not leach and has no environmental impact.
- ✓ Its effectiveness is unaffected by:
  - Scratching or abrasion
  - UV exposure
  - Salt Spay
  - Temperature cycling
  - Cleaning chemicals including Chlorine Bleach, Disinfectants, Quaternary Ammonium Compounds.
- ✓ Effective for the life time of the coating.
- ✓ The active ingredient is effective against most bacteria including Listeria Monocytogenes, Salmonella Enteritidis, Pseudomonas Aeruginosa and Aspergillus Niger and specifically tested against MRSA and E. Coli.
- ✓ No document evidence that bacteria strains have become resistant.

### OTHER FEATURES AND BENEFITS

Medium build—70 µm per coat.  
Good early strength characteristics.  
Good chemical resistance.  
Good resistance to heavy traffic.  
Can be made non-slip.

Superb adhesion to concrete.  
Dustproof and waterproof.  
Impermeable to water and other liquids.  
Provides a closed hygienic surface.  
Decorative finish.

## 2. USES

The scope of applications for Dairy Coat Anti-Bac is extensive and it can be used virtually anywhere that concrete or masonry requires protection or waterproofing.

Recommended areas and types of use :-

1. Wall coating in areas of food manufacture and storage.
2. Tank lining for protection against mild chemicals.
3. Waterproofing and decorative finish for all brick, concrete, cement, masonry and asbestos surfaces.
4. As a general weatherproofing and waterproofing coating.
5. For application to damp surfaces where other paints cannot adhere.
6. As a finish for swimming pools.
7. As a membrane to prevent rising damp in floors.
8. As a sealing coat for asbestos containing materials.
9. Sealing wet rooms.

Typical locations :-

1. Swimming pools.
2. Water tanks/sewage treatment plants.
3. Abattoirs.
4. Dairies/milking parlours, food factories, breweries.
5. Grain silos.
6. Basement/damp proof membrane.
7. Chemical industry garages.
8. Bunds and water plants.
9. Wet rooms.

## 3. PACKAGING

A two part product available in 1, 2.5 and 5 litres. Non-returnable containers.

## 4. STORAGE

Store in a cool, dry and frost free area in original containers. Protect from freezing. Keep out of the reach of children. A shelf life in excess of 12 months can be expected for unopened containers kept in the above conditions.

## 5. DRYING & CURING

At 20 degrees C/68 degrees Fahrenheit, and with reasonable ventilation, the coating is touch dry in 6 hours and hard dry in 12 hours. Maximum cure, hardness and chemical resistance is obtained within 7 days.

## 6. COVERAGE

Each litre of Dairy Coat Anti-Bac will cover approximately 6-7 squared metres (based on a non porous, smooth surface), however this will vary depending on how thickly you apply the material and also how porous the surface is.

If you are unsure on the porosity of the surface, we recommend you buy a little more than you think you will need to ensure you don't run out part way through the application

## 7. CLEANING EQUIPMENT

When using spray equipment a thorough rinsing with cold water every hour will prevent a build up of cured material. Brushes and rollers should be washed with cold water and detergent and rinsed thoroughly in cold water.

## 8. PREPARATION

Although Dairy Coat Anti-Bac will over coat most other finishes and paints, the best results are achieved when surfaces are clean and free of other finishes/coatings. All surfaces should be damp dry or at least not subject to running water. Particularly attention should be made to degreasing surfaces before application.

### 8.1 MIXING

The performance of the coating can be seriously impaired if the following instructions are not strictly adhered to.

The pot life is approximately 1-1.5 hours. This is based on a temperature of 20 degrees C/68 degrees Fahrenheit. If you are applying the coating in higher temperatures, the pot life may be reduced. The material will become unworkable once outside of this pot life.

Once mixed, it is only possible to apply a single coat. Do not attempt to return to the mix to apply a second coat.

For simplicity we would recommend getting a separate pack of Dairy Coat Anti-Bac for each coat. However, if you would like to buy just the one pack for both coats, you will need to accurately divide the resin and hardener packs equally and mix in a separate container for each of the coats. We suggest you divide the packs by volume in a measuring jug to ensure accuracy.

Once mixed, it is only possible to apply a single coat. Do not attempt to return to the mix to apply a second coat.

### 8.2 APPLICATION STEPS

**WARNING – DO NOT APPLY IN TEMPERATURES BELOW 10 DEGREES C/68 DEGREES FAHRENHEIT AND ENSURE THERE IS AT LEAST A 4 HOUR WEATHER WINDOW.**

**PRODUCT CAN BE APPLIED IN MILDLY DAMP CONDITIONS BUT WILL NOT TOLERATE STANDING WATER.**

1. Clean the surface you will be applying the Dairy Coat Anti-Bac to. If there are any leaks, these should be repaired with Antel Waterstop, Antel Epoxy Putty or Antel SBR Bonding Agent before applying the Dairy Coat. If unsure, please contact us for technical advice.

2. Pour the contents of the smaller container into the larger container and mix thoroughly (ideally with a mixer paddle) for a minimum of three minutes, so that the two components are completely mixed. Once mixed Antel Dairy Coat Anti-Bac should be poured in to at least two roller trays to maintain pot life and applied immediately.

3. Apply the first coat by brush, roller or spray. If the temperature is above 20 degrees C/68 degrees Fahrenheit, wait 6-8 hours before applying the second coat. If the temperature is below this, wait a full 24 hours before applying the next coat.

4. Apply the second coat.

## 9. HEALTH & SAFETY

Dairy Coat Anti-Bac is much safer to handle than other resin systems; however, it is recommended that all skin contact is avoided and that any areas of contact are washed immediately with soap and warm water. It is advisable to use a barrier cream and gloves when applying.

**FOR FULL DETAILS PLEASE REFER TO HEALTH & SAFETY DATA SHEET.**