



# Cera Guard 5000

## technical data

1st February 2003

### Description

**Robex Ceraguard 5000** is the ultimate anti-bacterial coating that is hardwearing and easy to clean. **Ceraguard 5000** can be applied to walls in food production and preparation areas, toilets, and shower rooms; in fact any area where a seamless glaze like finish is required. Once cured this system will kill bacteria quickly, efficiently and permanently. For test results and further information, please contact our technical department.

### Preparation

All surfaces must be clean, dry and free from contaminants including oil, grease and fats. Any mildew or mould growth must be removed and killed using a fungicidal wash.

In the case of fat, vegetable oil, etc. a biodegradable cleaner should be used, in the case of petroleum based deposits, a solvent cleaner. Both should be thoroughly washed off with clean water. **Tiled surfaces** - Proceed as above ensuring that all mildew in grouting and cracks is eradicated. **Existing Paintwork** - The **Ceraguard 5000** System may be applied over most paints provided they are aged. If white or magnolia **Ceraguard 5000** is being applied over a very dark colour, it may prove necessary to apply a second topcoat. **Plaster/Rendering** - Extremely porous surfaces may reduce coverage rate, equally dark plaster/rendering, if to be covered by white or magnolia **Ceraguard 5000**, a second topcoat may be required. **Coating Galvanized Iron and Zinc/Aluminium and its Alloys** - Special preparation/priming is required for these surfaces depending on the age and condition. Please refer to our technical department before applying any Robex coating to this type of surface.

### Mixing Ratio

**Ceraguard 5000** Primer: One part Base: one part Reactor by volume.

Always mix the Base and Reactor independently before bringing together. Scrape the contents of the small can completely into a large container and mix thoroughly. **THOROUGH MIXING IS ESSENTIAL AND UP TO 5 MINUTES SHOULD BE ALLOWED FOR THIS OPERATION. FAILURE TO DO SO WILL RESULT IN AN EXTENDED CURE TIME. FOLLOWING MIXING STAND FOR 5 MINUTES AND APPLY BY BRUSH OR ROLLER.**

**Ceraguard 5000** - 3 parts Base: One part Reactor (or one unit Base: one unit Reactor as supplied). In the case of both products, the easiest method of mixing is to tip the contents of the Reactor tin (after stirring) into the Base tin (after stirring) followed by thorough mixing of the components.

### Pot Life

**Ceraguard 5000** Primer: 1 hour 30 minutes at 18°C

**IN EXCEPTIONALLY WARM CONDITIONS A SMALL AMOUNT OF WATER (UP TO 10%) CAN BE ADDED TO THE MIXED PRODUCT TO EXTEND THE CURE TIME - HOWEVER GENERALLY THIS IS NOT RECOMMENDED.**

**Ceraguard 5000** Top Coat: 45 minutes at 20°C.

### Curing Time

**Ceraguard 5000** Primer : Full cure 5-8 hours depending upon temperature. Over-coating after approx 16 hours and before 7 days.

**Ceraguard 5000** Top Coat : Touch dry 1 hour. Full cure approx 24 hours depending upon temperature.

### Application

The **Ceraguard 5000** System may be applied by brush or roller. When using a roller short lambs wool is recommended. This product may also be sprayed, for details contact our Technical Department.

The **Ceraguard 5000** Primer should be applied to the surface and left to cure for at least 16 hours. The **Ceraguard 5000** topcoat should then be applied over the Primer after the 16 hours has elapsed but before 7 days. It is vital that even if the Primer appears to be dry in less than 16 hours over coating should not take place before this time has elapsed.

### Minimum Cure Temperature

**Ceraguard 5000** Primer: 10°C.

**Ceraguard 5000** Top Coat: 5°C.

### Coverage

**Ceraguard 5000** Primer: 10-12m<sup>2</sup> per 2 kgs.

**Ceraguard 5000** Top Coat: 10-12 m<sup>2</sup> per 2 kgs unit.

### Flashpoint

**Ceraguard 5000** Primer: n/a

**Ceraguard 5000** Top Coat: Over 10°C when mixed.

### Storage Life

12 months in original sealed containers provided protected from frost and extremes of temperature.

### General Notes

Amongst many uses the **Ceraguard 5000** System is widely used in the food and food preparation industry, however, application should not take place near foodstuffs. When the full system has cured it has no odour and therefore there is no risk of taint making it ideal for the food industry.

### Cleaning

To clean brushes, equipment, contaminants, etc., we recommend the use of **Robex All Purpose Cleaner**.

### Chemical Resistance

(relating to splash, spillage & fumes)

*Organic Acids:* Good

*Inorganic Acids:* Good

*Oils:* Good

*Inorganic Acids:* Good

*Alkalis:* Good

*Fats:* Good

*Vegetable Oil:* Good

*Salts:* Good

*Water:* Good

*Solvents:* Good

No liability is accepted for any injury, loss or damage arising directly or indirectly from the use of the Company's products or from the use of information given in our data sheets, since the customer's use of the product is necessarily out of our control. The information given is intended to serve as a guide only. Customers should satisfy themselves by appropriate trials that the products are suitable for their intended use.

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