



Cera Guard M9000

technical data

1st February 2003

Robex Ceraguard M 9000 is an incredible 'Liquid Ceramic' coating for machinery, that is easy to clean and hard wearing. Ceraguard M 9000 is also a high performance anti-bacterial coating, which kills life-threatening bacteria quickly, effectively and permanently. Ceraguard M 9000 is intended to provide a finish similar to factory-applied coatings, without the need to return the equipment to the manufacturer. For test results and further information, please contact our technical department.

Preparation

Remove all loose paint and rust, etc. Surfaces must be clean, dry and free from oil, grease and fats, etc. 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 water.

Coating Galvanized Iron and Zinc/Aluminium and it's 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 M 9000 Zinc Rich Primer:

Three parts Base: one part reactor (or one unit Base one unit Reactor as supplied)

Ceraguard M 9000 Top Coat:

Three 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 followed by thorough mixing of the components.

Pot Life

Zinc Rich Primer: 8 hours at 20°C.

Ceraguard M 9000 Top Coat: 4 hours at 20°C.

Curing Time

Zinc Rich Primer:	Touch dry:	2 hours
	Over coating min:	4 hours
	Over coating max:	3 hours
Ceraguard M 9000 Top Coat:	Touch dry:	1 hour
	Full Cure approx:	24 hours

Application

Robex Ceraguard M 9000 system may be applied using a brush or roller. Do not over brush.

The Zinc Rich Primer should be applied to the surface and left to cure for at least 16 hours following which the Ceraguard M 9000 Top Coat may be applied, however, this should be carried out before 7 days have elapsed. Under no circumstances should the Top Coat be applied to the primer in less than 16 hours after application of the Primer - even if it appears to be dry.

Minimum Cure Temperature

Zinc Rich Primer: 7°C

Ceraguard M 9000 Top Coat: 5°C

Coverage

Zinc Rich Primer: 12m² approx.

Ceraguard M 9000 Top Coat: 10-12m² per 2 kg unit

Flash Point

Zinc Rich Primer: 18°C

Ceraguard M 9000 Top Coat: Over 10°C - when mixed

Storage Life

Zinc Rich Primer: 24 months in original sealed containers

Ceraguard M 9000 Top Coat: 24 months in original sealed containers

General Notes

Amongst many uses Robex Ceraguard M 9000 is widely used in the food and food preparation industry, however, application should not take place near foodstuffs. When the system has cured it has no odour and therefore there is no risk of taint, making it ideal for the food industry. Zinc Rich Primer should not be applied to existing coatings without trying a test patch first. Over coating aluminium, galvanizing, stainless steel, copper, etc. is not recommended. Details regarding pre-treatments for these surfaces are available on request.

Cleaning

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

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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