

TECHNICAL DATA SHEET

TDS: CVW224

GUARD-COAT

138/W224/ALL

DESCRIPTION:

Coo-Var Guard-Coat is an anti-microbial coating which inhibits the growth of bacteria. The anti-bacterial action is created with silver ion technology. This exceptionally hard wearing epoxy paint system is suitable for floors and walls (even with heavy foot and vehicle traffic). Dries to an off-gloss finish. Water thinnable.

RECOMMENDED USE:

Coo-Var Guard-Coat should be diluted with 500ml of clean water per 5kg pack. Guard-Coat is ideal for use in areas where hygiene is important, ie hospitals, schools, doctors surgeries etc. inside and outside. Guard-Coat can be used over stable existing paint coverings. Can be used on wood, concrete, masonry, asphalt and tarmac. Can be used on floors and walls. Do not apply at temperatures below 10°C.

AVAILABILITY:

5 kilo mixed units.

FINISH:

Off - Gloss

COLOUR:

Tile Red, Grey, Green, Safety Yellow, Black, White, Clear. Other colours to order.

TYPICAL S.G. (SPECIFIC GRAVITY):

1.23 @ 20 °C

VOLUME SOLIDS:

55 - 85%

WET FILM THICKNESS W.F.T

100 microns

DRY FILM THICKNESS D.F.T

35 - 70 microns

EXPECTED SPREADING RATE:

6 - 10 sq.m / kilo

@ recommended D.F.T

The practical spreading rate may be lower as this depends on factors such as the porosity and roughness of the surface to be painted and material losses during application.

TYPICAL VISCOSITY:

N/A

FLASH POINT:

Non-flammable

CURE TIME: @ RECOMMENDED D.F.T

Initial cure: 4 hours @ 20 °C

Hard dry: 8 - 12 hours @ 20 °C

Full cure: 5 - 7 days @ 20 °C

Low temperature and high humidity will adversely affect application, curing and performance of any coating.

POTLIFE:

2 - 4 hours @ 20 °C

Pot Life - Once the parts are mixed together the material has to be used within the time stated.

MINIMUM OVERCOATING TIME:

Minimum 16 hours

APPLICATION SPECIAL CONDITIONS:

N/A

VOC CONTENT:

Below 10 g / litre

VOC's (Volatile Organic Compounds) contribute to atmospheric pollution

APPLICATION DETAILS:

Application Do not apply below 10 °C. restrictions

Method: Brush or shortpile roller

For further advice contact Coo-Var Technical Services on +44(0)1482 328053

The physical constants are subject to normal manufacturing tolerances.

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GUARD-COAT

Thinner (Max vol):	Clean water (500ml)	
Nozzle size:	N/A	
Nozzle pressure:	N/A	
Cleaning solvent:	Water	
Recoat interval:	Minimum 16 hours	Maximum 72 hours

SURFACE PREPARATION:

All surfaces should be clean, dry, sound and free from contaminants. Concrete - power floated, granolithic and smooth surfaces should be roughened first to provide a good "key" for the paint. This can be done mechanically by abrading or blasting, or chemically using Coo-Var Acid Etch. These processes will have the advantage in addition to preparing the surface of also removing dirt and laitance. New concrete must be allowed to cure thoroughly which can take up to 3 months. Other surfaces have to be prepared and primed with the suitable primer for that substrate. Existing painted surfaces - Surfaces should be cleaned, degreased and sanded to ensure an adequate "key" is produced. Remove all loose and flaking material and treat bare areas as new substrate and prepare accordingly.

MIXING INSTRUCTIONS:

You should have two containers: one larger than the other and labelled Hardener. The other smaller one labelled Base. The contents of the pack marked Base are added to the contents of the larger pack marked Hardener and thoroughly mixed together, preferably by slow speed electric mixer. After mixing, add up to 500 mls clean tap water to the 5 kilo unit and mix again. This will make up one 5 kilo unit.

APPLICATION CONDITIONS:

As dictated by normal good painting practice. Do not apply if the temperature is likely to drop

below 10°C during application or during the drying process. In confined spaces provide adequate ventilation during application and drying.

PRECEDING COAT:

Apply direct to ordinary stable concrete. Coo-Var High Performance Primer should be used where the surface is smooth, polished or porous. On Metal use Teamac 2 Pack Zinc Phosphate Primer. Can be used on wood, asphalt and tarmac.

SUBSEQUENT COAT:

Coo-Var Guard-Coat (If two coats are required).

REMARKS:

HEALTH AND SAFETY:

SAFETY DATA SHEETS (SDS) - For tints and Grey bases see SDS 11272, For Tile Red, Green, Safety Yellow, Black and White bases see SDS 11274, Clear base see SDS 11273. Green Hardener see SDS 11276, All other hardeners see SDS 11275.

ISSUED:

20 February 2018

REVISION:

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The information given in this data sheet is based on experience and is accurate to the best of our knowledge. No guarantee should be implied, however, as the conditions of use are beyond our control. This data sheet does not constitute a specification. In case of doubt as to the suitability of the product please contact our Technical Service Department on 01482 328053.

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