



## DESCRIPTION

Chemguard EP2300 is a high gloss, solvent free, high build pigmented epoxy protective coating with outstanding chemical and mechanical properties .

Chemguard EP2300 is supplied as a two component product in pre-weighted packs, ready for site mixing.

## RECOMMENDED USE

Heavy duty protective coating for concrete and steel such as coating structural steel, pipe work, concrete walls, floors...

## ADVANTAGES

Solvent free  
Fast curing  
Self priming

## SURFACE PREPARATION

The substrate should be sound, clean, and free from oil, loose particles, dust, Surface Laitance should be removed by grit blasting or water jetting.

## MIXING

To ensure proper mixing, a mechanically powered mixer or drill fitted with suitable paddle should be used.

Stir the content of each component separately to disperse any settlement. Add the entire content of the hardener to the base and mix for 3 minutes until uniform color and consistency are achieved.

## APPLICATION

Chemguard EP2300 can be applied by brush; roller or airless spray machine. The first coat should be applied to obtain a continuous uniform coating of 200 microns thickness. The second coat should be applied within the over coating time to achieve the maximum adhesion between the two coats.

## TECHNICAL INFORMATION

Color	Variable
Solid content by volume	98% ± 2%
Time between coats	24 hours @ 20°C
Potlife	1 hour @ 20°C
Full Cure	7 days@ 25°C
Bond strength ASTM D4541 1Ct over Chemguard EP2300 200µm Over 1Ct Chemguard EP2050 150µm Over Concrete	> 2.0 Mpa (Cohesion failure in the concrete substrate)
Bond strength ASTM D4541 1Ct over Chemguard EP2300 200µm Over Concrete	> 1.5 Mpa (Cohesion failure in the concrete substrate )
Compressive strength BS6319:pt2	> 85 Mpa
Flexural Strength BS6319:pt3	> 40 Mpa
Tensile strength BS6319:pt7	> 6.0 Mpa

## APPLICATION CONDITIONS

Min. Application Temperature	5°C
Max. Application Temperature	40°C
Time between coats	16-48 hours

## THEORETICAL COVERAGE

Approximately 5m<sup>2</sup>/L per coat. Two coats should be applied to achieve 400 micron dry film thickness.

## SHELF LIFE

12 months when stored properly in unopened container in dry conditions at 10 - 25°C.

**CLEANUP**

Tools and equipment can be cleaned with Chemguard Thinner #2. Dried Chemguard EP2300 should be removed mechanically.

**PACKAGING**

Chemguard EP2300 is available in 3.6 & 18 liter Kit.

**PRECAUTIONS**

KEEP OUT OF REACH OF CHILDREN. Use with adequate ventilation and use a respirator when levels are above applicable limits.

Avoid contact with skin and eyes. Close container after each use. Use good hygiene when handling this product .

**TECHNICAL SUPPORT**

Technical assistance is available from the manufacturers trained field representatives.

**UPDATED**

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**Unichem Product Group**

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**United Chemical Company**

P.O. Box 3458, Amman 11181, Jordan

Tel. +962 6 420 3366, Fax. +962 6 420 3368

[info@unichemgroup.com](mailto:info@unichemgroup.com), [www.unichemgroup.com](http://www.unichemgroup.com)

