



## DESCRIPTION

Chemguard EP2050 is solvent free, non toxic Penetrating primer and sealer for use on concrete substrates and Fireproofing products.

It performs extremely well in sealing cementitious surfaces and is designed to receive a variety of different generic types of finish coats.

Some recommended uses of Chemguard EP2050 include the use as a curing compound over green concrete as it will retard the escape of moisture during the cure period.

## RECOMMENDED USE

Chemguard EP2050 is an excellent Primer / sealer with an exceptional wetting characteristics

Chemguard EP2050 is recommended for use on concrete, Fireproofing , cementitious , and many other types . It can be used as a top coat over colored epoxies or as a seal coat .it can be used as a top coat on two or three coat system as a clear coat finish. For internal use.

## SURFACE PREPARATION

Surfaces must be clean, dry, free from contamination. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating, all exposed blow holes should be filled with epoxy putty. Concrete and cementitious substrate should be fully cured ( 28 days at 25°C and 50% relative humidity )

## MIXING

Mixing ration 1:1 (A:B) .

Power mix separately, and then combine Part A and Part B and power mix to achieve homogeneous appearance. PARTIAL MIX NOT Recommended .

## APPLICATION

Apply by brush, roller or airless spray. Use a medium bristle brush or short-nap synthetic roller cover with phenolic core. Avoid excessive re-brushing or re-rolling. Apply enough material to wet the surface uniformly.

Do not allow the formation of any puddles or thickness build-up. Consult Unichem Technical Support Department for spray equipment instructions.

## DRYING TIME

Pot Life	45 min
To Touch	12 hours
To Topcoat	24 hours
Full Cure	7 days at 24°C and 50% RH

## TECHNICAL INFORMATION

Color	Clear Amber
Finish	Gloss
% Solids (by volume)	98% ± 2%
Dry Film Thickness	50 -150 µ
Bond strength ASTM D4541 1ct 100 µm over concrete	> 3.0 Mpa (Cohesion failure in the concrete substrate )
Compressive strength BS6319:pt2	> 80 Mpa
Flexural Strength BS6319:pt3	> 80 Mpa
Tensile strength BS6319:pt7	> 20 Mpa

## APPLICATION CONDITIONS

Min. Application Temperature	10 °C
Max. Application Temperature	50 °C
Max. Humidity	90%

## THEORETICAL COVERAGE

The coverage rate is around 20 m<sup>2</sup>/L at 50µ thickness.

## THINNING

Not Recommended

## SHELF LIFE

12 months when stored properly in unopened

## CLEANUP

Tools and equipment can be cleaned with Chemguard Thinner No. #2. Dried Chemguard EP2050 should be removed mechanically.

## PACKAGING

Chemguard EP2050 is available in 7.2 Liter and 36 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

October 2016

## Unichem Product Group

Unichem offers a wide range of industrial coatings, fireproofing and construction chemicals products that are manufactured, which include:

- Intumescent coatings
- Fire retardants
- Industrial floorings.
- Steel and industrial coatings
- Waterproofing.
- Grouts and anchoring
- Concrete repairs.
- Structural protection.

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