



## DESCRIPTION

Chemguard EP1760 is surface tolerant high build, hard wearing, solvent based epoxy resin coating designed to provide a hard, low sheen coating to concrete floors, walls, ceilings and other substrates.

Chemguard EP1760 Provides:

- High chemical resistant
- High scratch ability and abrasion resistance
- High wash ability and water permeability
- Anti dust
- Anti-Bacterial ( Mold & Mild Proof )
- Scrub and impact resistant

## RECOMMENDED USE

Chemguard EP1760 is a versatile coating with easy application used for protection of floor, walls, ceilings, concrete surfaces. It's surface tolerant high build characteristics make it ideal for a wide variety of applications such as :

- Aircraft hangars.
- Car parks.
- Hospitals.
- Soft drink and beverage production areas.
- Diaries production areas.
- Pharmacy's .
- Offices.
- Show rooms.
- Production, maintenance and assembly areas.
- Warehouses.
- General food processing and manufacturing plants.

## SURFACE PREPARATION

The substrate must be clean, dry, even, dense and free from oil, grease, dust and other contaminants. A clean surface will ensure maximum adhesion between the substrate and the coating.

Concrete floors must have a minimum compressive strength of 25 N/mm<sup>2</sup> and a maximum concrete relative humidity of 80% (max. moisture content of 4%), relative humidity can be measured using a hygrometer.

Concrete relative humidity should be less than 80% for concrete 28 days old or more. Unsound layers and contaminated concrete surfaces must be prepared using mechanical surface removing equipment. Acid etching can be used only in well ventilated areas. Areas deeply contaminated by oil or grease, such areas should be treated by hot compressed air.

## THINNING

Spray: Up to 10% with Thinner # 15

Brush: Up to 10% with Thinner #2

Roller: Up to 10% with Thinner #2

Use of thinners other than those supplied or recommended by Unichem may adversely affect product performance and void product warranty, expressed or implied.

## MIXING

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

## APPLICATION

Apply by brush, lambs wool roller or airless spray. Apply two coats of Chemguard EP1760 second coat should be applied at a right angle to the first coat. The second coat may be applied as soon as the first coat has initially dried. Drying time will depend on the substrate and the ambient conditions. Consult Unichem Technical Support Department for spray equipment instructions.

## DRYING TIME @ 25°C

To Touch	3 hours
To Topcoat	12 hours
Full Cure	7 days

## APPLICATION CONDITIONS

Temperature	10 - 43°C
Humidity	<90 %RH

## THEORETICAL COVERAGE

The coverage rate is around 7.5 m<sup>2</sup>/L at 100μ thickness.

**TECHNICAL INFORMATION**

Color	Variable
Solids content by volume	63% $\pm$ 2 %
Dry Film Thickness	75 - 100 $\mu$ m

**Chemical resistance table**Organic Acids

Oleic Acid – sat.	Resistant
Citric Acid 25%	Resistant
Vinegar sat.	Resistant

Inorganic Bases

Ammonia Solution 10%	Resistant
Salts Solution	
Sodium Chloride sat.	Resistant

Solvents

White Spirit	Resistant
Xylene	Resistant
Acetone	Resistant

Fuels

Brake Fluid	Resistant
Diesel	Resistant
Kerosene	Resistant

Water Types

Water	Resistant
Chlorinated Water	Resistant
Dead Sea Water	Resistant
Distilled Water	Resistant

**SHELF LIFE**

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

**CLEANUP**

Tools and equipment can be cleaned by thinner #2. Dried Chemguard EP1760 should be removed mechanically.

**PACKAGING**

Chemguard EP1760 is available in 36 and 7.2 Liter Kit

**PRECAUTIONS**

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

**TECHNICAL SUPPORT**

Technical assistance is available from the manufacturers trained field representatives.

**UPDATED**

August 2015

**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.

**United Chemical Company**

P.O. Box 3458, Amman 11181, Jordan

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

info@unichemgroup.com, www.unichemgroup.com

