



**DESCRIPTION**

High Performance, Heavy duty and highly chemical resistant epoxy mastic coating for use in all industrial markets. Self-priming, stand-alone system for a variety of chemical environments and suitable for application over most existing coatings, and tightly adherent to rust. When applied as a flooring system, Chemguard EP1730 enhances the hygienic environment of the space

**RECOMMENDED USE**

Chemguard EP1730 is a versatile coating for the protection of steel and concrete surfaces. It's self-priming surface tolerant high build characteristics make it ideal for a wide variety of applications such as coating structural steel, pipe work, concrete walls and floors, among many others.

**SURFACE PREPARATION**

**Steel**

Surfaces must be clean and dry. Employ adequate methods to remove dirt, dust, oil and all other contaminants that could interfere with adhesion of the coating

For mild environments, prepare by hand or power tools in accordance with SSPC-SP2 or 3.

For non-immersion service, abrasive blast to a Commercial Finish in accordance with SSPC-SP6 with a 25-50micron profile.

For immersion service, abrasive blast to a Near White Metal Finish in accordance with SSPC-SP10 with a 25-50 micron surface profile.

**Concrete**

Remove all oil, grease, dirt or contaminates from the surface.

All contaminated or damaged concrete must be removed down to a clean, structurally sound concrete substrate.

Concrete must be cured at least 28 days at 21°C and 50% RH or equivalent time. Remove fins and other protrusions by stoning, sanding or grind-

Abrasive blast to open all surface voids and remove all form oils, incompatible curing agents, hardeners, laitance and other foreign matter and produce a surface texture similar to that of medium grit sandpaper. Voids in the concrete may require surfacing. Blow or vacuum off sand and dust.

**MIXING**

Mix the base and the hardener using an electrical Powered mixer to achieve a homogeneous uniformed color, DO NOT MIX PARTIAL KITS.

**THINNING**

Spray: Up to 10% with Thinner # 2

Brush: Up to 12% with Thinner #15

Roller: Up to 12% with Thinner #15

Thinner #15 can be used for spray in hot/windy conditions. Use of thinners other than those supplied or recommended by Unichem may adversely affect product performance and void product warranty, expressed or implied.

**APPLICATION**

Apply by brush, roller or airless spray. Use a medium bristle brush or short-nap synthetic roller cover with phenolic core. Consult Unichem Technical Support Department for spray equipment instructions.

**TECHNICAL INFORMATION**

Color	Variable
% Solids (by volume)	80 % ± 2 %
Dry Film Thickness	100µ
Topcoats	Epoxies, polyurethanes, acrylics, alkyds and others as specified.
Flash point ASTM D 3828:2007 method B	60°C

Drying time ASTM D 5895:2003	5 - 6 hours
Over coating time ASTM D 5895:2004	8 -7 hours
Full Cure	7 days at 24°C and 50% RH
Sag resistance ASTM D 4400:1999	200 µm
Abrasion Resistance (Taber Abraser) weight loss after abrasion using wheel CS-10 and 1000 round ASTM D 4060:2001	0.07 Gram
Hardness by pencil test (5B,5H) ASTM D 3363:2000	Pass
Scrub Resistance thickness =175µm) ASTM D 2486:2000	> 1600 Cycle

### APPLICATION CONDITIONS

Temperature	10 - 43°C
Humidity	<80 %RH

### THEORETICAL COVERAGE

The coverage rate is around 8 m<sup>2</sup>/L at 100µ 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 by Thinner #2.

### PACKAGING

Chemguard EP1730 is available in 7.2Liter or 36Liter 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

March 2013

### 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.