



DESCRIPTION

Chemguard EP1710 High build primer, Intermediate and finish coating with excellent physical properties and chemical resistant epoxy coating with exceptionally versatile uses in all industrial markets.

This material is self-priming and serves as a stand-alone system for the protection of steel and concrete, Which provides very good adhesion, better tolerance of field application variables than other type of coatings and Excellent film build & edge protection.

RECOMMENDED USE

Chemguard EP1710 is a versatile coating for the protection of steel and concrete surfaces. Its self-priming 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. It is used in many industries such as :

Structural steel, Masonry surfaces, Tank exteriors, Piping, Refineries, Bridges, Power plants. also designed for various immersion conditions including lining potable water tanks and pipelines.

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. Remove all oil or grease from the surface to be coated with Unichem Cleaning Thinner in accordance with SSPC-SP1. Hand-tool or power-tool clean surfaces in accordance with SSPC-SP2 or SP3.

Concrete

Remove all oil, grease, dirt or contaminants 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 grinding. 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.

THINNING

Spray: Up to 10% with Chemguard Thinner # 2
Brush: Up to 12% with Chemguard Thinner # 15
Roller: Up to 12% with Chemguard Thinner # 15
Chemguard 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	Wide range
Mixed Density	1.47 ±0.02 g/cm ³
% Solids (by volume)	60 % ± 2%
Dry Film Thickness	75-100 μ
Topcoats	Epoxies, polyurethanes, acrylics, alkyds and others as specified

Flash point ASTM D 3828:2007 method B	37°C
Drying time ASTM D 5895:2003	2.5 - 3.5 hours
Over coating time ASTM D 5895:2004	8 –9 hours
Full Cure	7 days at 24°C and 50% RH
Sag resistance ASTM D 4400:1999	200 µm
Hardness by pencil test (5B,5H) ASTM D 3363:2000	5H
Scrub Resistance thickness =175µm) ASTM D 2486:2000	> 1600 Cycle
Abrasion Resistance (Taber Abraser) weight loss after abrasion using wheel CS-10 and 1000 round ASTM D 4060:2001	0.03 Gram

APPLICATION CONDITIONS

Min. Temperature	10°C
Max. Temperature	43°C
Relative Humidity	90%

THEORETICAL COVERAGE

The coverage rate is around 8 m²/L at 75µ 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 Chem-guard Thinner No. #2. Dried Chemguard EP1710 should be removed mechanically.

MIXING

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

PACKAGING

Chemguard EP1710 is available in 7.2 Liter and 36 liters Kit

PRECAUTIONS

Contains aromatic hydrocarbons solvent. 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

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.