



DESCRIPTION

Chemguard PU3600 Thin film aliphatic polyurethane coating, which has excellent resistance to Ultra Violet exposure as well as chemical, industrial and marine environments.

Chemguard PU 3600 forms an impact and abrasion resistant coating with excellent color and gloss retention for use on exteriors of tanks, equipment, piping, structural steel and concrete surface.

RECOMMENDED USE

Chemguard PU3600 is an excellent topcoat for external aggressive environments such as petrochemical, oil and gas, marine and power industries.

SURFACE PREPARATION

Remove all oil or grease from the surface to be coated with Unichem Cleaning Thinner in accordance with SSPC-SP1.

Chemguard PU3600 must be applied on previously primed steel

MIXING

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

THINNING

Spray: Up to 18% with Thinner #25

Brush and Roller: Up to 20% with Thinner #33

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

TECHNICAL INFORMATION

Color	Variable
% Solids (by volume)	48% ± 2 %
Topcoats	Not Required
Dry Film Thickness	50-100 µ
Flash point ASTM D 3828:2007 method B	31°C
Drying time ASTM D 5895:2003	2 -3 hours
Over coating time ASTM D 5895:2004	6-7 hours
Full Cure	7 days at 24°C and 50% Humidity
Temperature resistance	Up to 95°C
Abrasion Resistance (Taber Abraser) weight loss after abrasion using wheel CS-10 and 1000 round ASTM D 4060:2001	0.12 Gram
Hardness by pencil test (5B0,5H) ASTM D 3363:2000	Pass
Scrub Resistance (Film thickness =175µm) ASTM D 2486:2000	> 1600 Cycle
Impact Resistance ISO 6272-1:2011	Pass

APPLICATION CONDITIONS

Min. Application Temperature 4 °C
 Max. Application Temperature 43 °C
 Max. Humidity 90%

THEORETICAL COVERAGE

The coverage rate is around 9.6 m²/L at 50μ thickness per coat.

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 PU 3600 should be removed mechanically.

PACKAGING

Chemguard PU3600 is available in 3.6 Liter or 19 Liter 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

March 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.