



DESCRIPTION

Chemguard PU3600 aliphatic polyurethane top-coat where chemical resistance, toughness and weatherability are required. Thin-film, single coat protection that has excellent resistance to corrosion, chemicals and abrasion. Suitable for application over a number of Unichem primers and intermediates. Chemguard PU3600 provides very good weathering performance in a broad range of colors. Chemguard PU3600 provide excellent weatherability and excellent flexibility.

RECOMMENDED USE

Chemguard PU3600 recommended industrial environments such as: Structural steel, Tank exteriors, Rail cars and locomotives, Pipelines, Conveyors, Ships, Bridges. Chemguard PU3600 is an excellent topcoat for external aggressive environments such as petrochemical, oil and gas, marine, GRP, and power industries.

SURFACE PREPARATION

Surfaces must be clean and dry, 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 the two parts and power mix to achieve homogeneous appearance. **PARTIAL MIX NOT RECOMMENDED**

THINNING

Spray: Up to 10% with Thinner #15

Brush and Roller: Up to 15% 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.

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)	70 % ± 2 %
Topcoats	Not Required
Dry Film Thickness	75-125 µ
Flash point ASTM D 3828:2007 method B	31°C
Drying time ASTM D 5895:2003	2 -3hours
Over coating time ASTM D 5895:2004	6-7 hours
Full Cure	7 days at 25°C and 50% RH
Temperature resistance	Up to 95°C
Sag resistance ASTM D	200 µm
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	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 14 m²/L at 50μ 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 Chemguard Thinner No. #2. Dried Chemguard PU 3600 should be removed mechanically.

PACKAGING

Chemguard PU3600 is available in 3.6Liter 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 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.