



Uniguard PU Topcoat

Product Description

This is a two-component aliphatic polyurethane coating, is a high performance, high solids, non-yellowing, isocyanate-cured polyurethane coating, is built to resist chemicals, abrasions, impact and sun damage. It is therefore suitable for a diverse range of floors with various levels of mechanical and chemical exposure.

Features and Benefits

- Excellent UV resistance and gloss retention.
- Superior abrasion and impact resistance.
- High chemical and solvent resistance.
- Easy to clean and maintain.
- Available in a variety of colors and finishes.

Typical Use

- Industrial and commercial coatings.
- Exterior and interior architectural finishes.
- Car parks.
- Over waterproofing polyurethane membranes.
- Traffic deck systems.

Substrate

Concrete, cement board, concrete floor.

Product Data

Packaging size	18 L Drum (2 comp).
Form	Liquid
Colors	14 UV stable colors
Solids by volume	63%
Density	1.3 g/cm ³

Product Mixing ratio (by volume)

Uniguard PU Topcoat Comp A	5 part(s).
Uniguard PU Topcoat Comp B	1 part(s)



Application data

The product can be applied by

Spray Use air spray or airless spray

Brush Recommended

Roller Recommended

Cleaning of painting tools

Immediate cleaning with Thinner.

Film Thickness per coat

Dry Film Thickness 50 - 80 μm

Theoretical spreading rate 12.60 - 7.9 m^2/L

Thinner (solvent to mix with)

No need for thinner addition.

Dilution (Mix Ratio)

No need for dilution.

Conditions during application

Do not apply if the temperature is below 10°C. and not more than 40°C. Substrate temperature should be at least 3°C above the dew point.

The moisture content should not exceed 4%. The Relative Humidity should not exceed 80%.

Drying and curing time 23 °C

Surface dry 10 h

Dried/cured for service 7 d

Induction time and Pot life 23 °C

Induction time 3 min

Pot life 1 h

Directions of use

Surface preparation

- Ensure that surface is thoroughly cleaned and free from grease, oil, dirt, dust, salts and other containment.
- Surface must be dry and fully cured.



Technical Data Sheet

Application procedure

NO PART MIXING. Use a slow speed drill and mixing paddle.

The temperature of base and curing agent is recommended to be 18 °C or higher when the product is mixed.

Part mixing of these components is not acceptable and will affect both performance and appearance of the finished floor.

Mixing should be carried out using a heavy duty, slow-speed drill with appropriate mixing paddle attachment. The individual components should be thoroughly stirred to disperse any settlement, then the Comp A and Comp B packs should be mixed together. The entire contents of the hardener (B) container should be added to the base (A) and mixed together for two minutes until a homogeneous mix is obtained. When a homogenous state has been achieved split the mixed paint in to two separate containers and continue mixing both portions of the mix for a further 2 minutes.

Storage

- Store in cool, dry place in a well-sealed container away from moist air for 12 months.
- Keep away from heat, ignition sources and from children.

Caution

- Do not use dirty tools.
- Keep out of the reach of children
- This can can't be used for food storage

Health and safety

Possible Hazards: It causes irritation in case of skin contact & eye contact, flush immediately with plenty of water for at least 10 minutes and seek medical advice in case it happened. Please refer to safety data sheet for more information.