



Uniguard Epoxy HD

Product Description

Uniguard Epoxy HD is a heavy duty two component, solvent free polyamine cured epoxy coating. It offers an excellent mechanical resistance, durability and adhesion to various substrates. The product is designed to be used as a part of comprehensive tank lining systems making it ideal for protecting metal and concrete surfaces in harsh conditions. Uniguard Epoxy HD Provides a smooth, aesthetically pleasing surface finish when applied vertically or horizontally.

Features and Benefits

- Solvent free, suitable for potable water and food contact applications.
- Formulated in compliance with FDA regulations.
- Easy to mix and to apply.
- High-build coating (up to 400 micron).

Typical use

Recommended for lining in water storage tanks and silos, walls of mechanical rooms, heavy traffic car parks.

Substrate

Steel and concrete substrates.

Product Data

Packaging Size

16L: 13 L Comp A, 3 L Comp B
4L: 3.25 L Comp A, 0.75 L Comp B
1.6L: 1.3 L Comp A, 0.3 L Comp B

Appearance

Liquid

Color

White and Uniguard color card

Mixed Density

1.50 – 1.60 g/ml

Solids by Volume

98±2%

Pot Life

30 – 40 min

VOC

105 g/L

Application data

The product can be applied by

Spray: **Recommended**

Brush: **Recommended**

Roller: **Recommended**



Cleaning of painting tools

Immediate cleaning with Epoxy Thinner is necessary.

Thinner (solvent to mix with)

No need.

Dilution (Mix Ratio)

4.3 Parts of Comp A and 1 Part of Comp B (4.3:1).

Film Thickness per coat

Dry film thickness	50 µm – 400 µm
Theoretical Spreading Rate	19 m ² /L – 2.5 m ² /L

Drying and curing time@25C°

Surface (touch) dry	7 hours
Walk-on-dry	15 hours
Dried to over coat, minimum	15 hours
Dried/cured for service	7 days

Directions for use

Surface preparation

- Ensure that surface is thoroughly cleaned and free from grease, oil, dirt, dust, salts and other containment.
- Abrasive blasting to a near white metal finish is recommended for metal substrates.
- For concrete, ensure the surface is cured, dry, and free from laitance. Surface profiling may be required. Use Uniguard Epoxy SL as a primer.

Application procedure

- Use gloves to minimize skin contact with product.
- This product consists of two parts. Mix thoroughly by volume in the specified portions. Mix approximately 3 - 5 minutes after a uniform color is obtained.
- Application to the substrates should be made within 30 - 40 minutes. Larger quantities and/or higher temperatures will reduce this working time.
- Apply 2 coats minimum to achieve the recommended total film thickness.
- Allow adequate curing time between coats.



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

- Clean mixing container before use. Do not use dirty tools. Ensure that containers and tools are free from moisture.
- Do not exceed mixing ratios.
- Keep out of the reach of children.
- Ensure adequate ventilation during application.

Health and safety

Please observe the precautionary notices displayed on the container. Use under well-ventilated conditions. Do not inhale spray mist. Avoid skin contact. Spillage on the skin should immediately be removed with suitable cleanser, soap and water. Eyes should be well flushed with water and medical attention sought immediately. For further information, refer to Uniguard Epoxy HD MSDS.