



Uniguard Bond Plus

Product Description

Uniguard Bond Plus is a high-performance concrete curing membrane, used in the prevention of water evaporation from concrete surfaces. Uniguard Bond Plus resultant film retains sufficient moisture in the concrete to ensure full hydration of the cement; essential for optimum strength development. The cured concrete with Uniguard Bond Plus is typically harder and exhibits a dust free surface with a reduced incidence of drying shrinkage cracks.

Additionally, the membrane acts as a primer system for many subsequent surface finishes that do not rely on penetration for substrate bond. When applied to floors, the Uniguard Bond Plus seals and dustproofs the surface, eliminating the primary source of abrasion and enhancing durability. Uniguard Bond Plus is miscible with water thus aiding application and safety in use.

Uniguard Bond Plus is complying to ASTM C 309 Type 2, Class A.

Features and benefits

- Eliminates the need for water.
- Imparts a harder dust free surface.
- Non degrading, acts as a primer system.
- Minimal delay for overcoating.
- Abrasion resistant floors.
- Breathable film allows moisture in cured concrete to evaporate.
- Simple to apply and spray.
- Spray and application equipment can be cleaned easily.
- Spillages can be washed away easily.

Typical use

- It is designed for fresh, broomed finish, exterior concrete, such as driveways, patios, parking lots, sidewalks, etc.

Product Data:

Appearance/Color: White Milky Liquid

Packaging size: 20 kg, 200 kg

Density: 1.03 g/ml
@ambient temp.



PH soln.20% solids @ambient temp.	8.30
Finished film appearance:	Clear, tack free, water repellent film
Drying Time (ASTM C309) @ambient temp.	2 h and 30 min

Application Data

Tools:

The product can be applied by Spray.

Application Method: Uniguard Bond Plus is supplied ready to use and must not be diluted with water before application. It should be sprayed at the earliest opportunity to all exposed “green or Fresh” concrete surfaces. For horizontal surfaces the Uniguard Bond Plus should be applied as soon as the initial surface sheen has disappeared from the concrete face (the bleed or laitance water has evaporated). In the case of formed concrete, the product should be applied immediately on removal of the formwork.

During application; Uniguard Bond Plus appears as a white milky liquid and remains so for a short period, which provides a visual guide to its complete and even coverage.as it dries it gradually becomes transparent forming a colorless membrane.

Coverage:

3-4 m² per liter.

In certain circumstances adequate curing can be achieved with an extended coverage rate. It is essential not to apply the coating too thickly.

Cleaning of Tools:

Clean with water immediately following any period of spraying, paying particular attention to the thorough cleaning of spray jets and moving parts. Any membrane film remaining on the concrete surfaces should be removed before application of subsequent screeds or coatings.

Dilution:

No dilution is recommended.



Cautions and Limitations:

- Do not apply Uniguard Bond Plus to concrete which has started to dry out, otherwise the degradation system may be impaired.
- When handling this product normal industrial hygiene producers should be followed.
- It is recommended that gloves and eye protection be worn during application.
- when spraying; it is advisable to wear a suitable mask, to prevent inhalation of droplets.

Storage:

- 12 months in original unopened factory sealed container. Keep away from extreme cold, heat, or moisture.
- Keep out of direct sunlight and away from fire hazards.
- Keep out of the reach of children

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.