

## Two component aliphatic polyurethane protective coating for concrete and steel structures

### Uses

Dekguard PU provides an easily cleaned chemical and UV resistant protective coating, and suitable for external water-proofing also.

### Advantages

- Durable : Low maintenance costs
- Non yellowing : Will not yellow on exposure to UV rays.
- Hygienic : Seamless surface, easily cleaned
- Impermeable: Excellent resistance to chemicals and gases

### Description

Dekguard PU is a two component, pigmented, aliphatic polyurethane coating possessing good resistance to long term exposure of UV rays.

### Technical Support

Fosroc offers technical support and service to specifiers and contractors as well as on-site assistance.

### Properties

Pot life at 30°C	: Min. 3 hours
Recoat time at 30°C	: 2 - 4 hours
Initial cure at 30°C	: 16 hours
Final cure at 30°C	: 5 days
Flash point	: 35 °C

### Application instructions

#### Surface preparation

All surfaces must be smooth, sound and free from debris, loose or flaking material and areas of standing water. Surfaces must be free from contamination such as oil, grease, dust, loose particles and organic growth. Concrete surfaces must be fully cured, laitence free and free from any traces of shuttering, release oils and curing compounds.

All surfaces should then be grit blasted to remove all foreign matter and open up blow-holes, and provide a suitable key for Dekguard PU. All blow holes and imperfections should be filled with a suitable putty.

### Mixing

The individual components should be thoroughly stirred before mixing them together. The components should then be mechanically mixed together for atleast 3 minutes using a slow speed ( 400 - 500 RPM) drill machine attached with a mixing paddle.

### Application

Apply Dekguard PU with a nylon brush, or a flat pile felt roller, to the prepared substrate at a wet film thickness of 80 microns ( 40 microns DFT) . Allow Dekguard PU first coat to dry for 2-4 hours at 30°C and then apply the second coat.

### Curing

This coating will become tack free in approximately 2 - 4 hours and be fully cured in 5 days.

### Number of coats

Two finish coats are recommended unless used as a top coat for freshly applied epoxies.

### Cleaning

Clean tools and equipment immediately after use with Nitocote Sol. Wash hands and skin with soap, or an industrial hand cleaner.

### Limitations

Minimum ambient surface and material temperature must be between 10 to 40°C. For applications outside this range, contact Fosroc for advise. Application of the product should be always on dry substrates. Moisture in the substrate can lead to pin holes and blisters in the coating.

### Storage

#### Shelf life

Dekguard PU has a shelf life of 6 months when stored under normal warehouse conditions in unopened containers. Exposure to moisture greatly reduces the shelf life, particularly that of the hardener.

# Dekguard PU

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## Estimating

### Packaging

Dekguard PU is supplied as base and hardner in preweighed quantities packed together in an outer carton. The mixed material will yield 4 litres.

### Coverage

The theoretical coverage is 10 sq.m /ltr/coat at 30 - 40 microns DFT. However practical coverage may vary depending on the porosity of substrate, application thickness etc.

## Precautions

### Health & Safety

Rubber gloves and/or barrier creams, protective clothing, goggles and respirator should be worn. Provide sufficient mechanical and/or local exhaust ventilation to maintain easy working conditions.



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