

VX Guardian PU Topcoat is a two component Polyurethane resin that is weather-resistant, UV-resistant, and exhibits excellent abrasion resistance. This material is formulated for coating Balconies, Traffic ramps, car park decks, trafficable flat roofs, Plant rooms, and exposed decks.

ADVANTAGE

- Easy to apply.
- UV resistance.
- Weather resistance.
- Resistance to chemicals.
- Excellent abrasion resistance.

PRODUCT SPECIFICATION

Form	Liquid (Part A) Liquid (Part B)
Type	Two component polyurethane self-smoothing floor topping
Mixing ratio	Part A : B = 4 : 1
Mix Colour	Clear, As shown in the colour card.
Finish	Glossy
Drying time to concrete (30° C)	<ul style="list-style-type: none"> - Surface Dry - Setting time - Hard dry - Full cure - Open traffic
	<ul style="list-style-type: none"> - ± 30 minutes - ± 4 hours - ± 24 hours - 24 hours for light - Traffic & 7 days for vehicular traffic
Application temperature	15 - 35°C
Humidity Maximum	80% RH Provide adequate ventilation during application and drying
Coverage	0.2 – 0.25 kg/m ²

TECHNICAL DATA

Solid Content By weight (mix)	Form
Density (Mix)	~ 1.0 (± 0.1) gr/ml
Pot life (30° C)	± 35 minutes
Compressive Strength	~ 70 N/mm ²
Tensile strength (ASTM D412)	~ 20 N/mm ²
Bond strength to concrete (ASTM D 4541)	~ 2,5 N/mm ² (concrete failure)
Flexural Strength	~ 40 N/mm ²
Abrasion Resistant (ASTM D 4060)	78 mg / 1000 cycles
Hardness (Shore D) (ASTM D 2240)	82 - 90
Gloss level (Gloss meter)	75 - 85 %
Temperature Resistant (full cure)	0 - 80°C
Water Resistant	Excellent

PACKAGE

VX Guardian PU Topcoat is packaged in a 20 kg-set, with Component A: 16 kg and Component B: 4 kg..

STORAGE

VX Guardian PU Topcoat has a shelf life of 12 months, provided the packaging is unopened and stored in a cool, dry place.

APPLICATION

I. SURFACE PREPARATION

- The substrate must be concrete with a minimum compressive strength of 25 MPa, reinforced with rebar according to the structural design and capable of bearing loads without any settlement.
- The concrete should be at least 28 days old and have a moisture content of no more than 1.2 (<20%) when application begins.
- If as a top coat over Epoxy, Epoxy flooring/coating must be at least 3 days old from the time of initial application and Epoxy flooring must be buffered first to get maximum adhesion results
- The surface must be clean, smooth, even (without protrusions), and free from any kind of dirt, especially oil, grease, or curing compound.

II. APPLICATION

- Before applying VX Guardian PU Topcoat the substrate must have been coated with VX Savior Multi - EP
- Apply VX Guardian PU Topcoat to the prepared surface.
- VX Guardian PU Topcoat will dry after 24 hours.

HEALTH AND SAFETY

VX Guardian PU Topcoat contains chemicals and solvents that are harsh on the skin and eyes. Use protective equipment such as gloves, masks, and goggles during the application process.