

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

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

## TECHNICAL DATA

<b>Solid Content By weight (mix)</b>	Form
<b>Density (Mix)</b>	~ 1.0 (± 0.1) gr/ml
<b>Pot life (30° C)</b>	± 35 minutes
<b>Compressive Strength</b>	~ 70 N/mm <sup>2</sup>
<b>Tensile strength (ASTM D 412)</b>	~ 20 N/mm <sup>2</sup>
<b>Bond strength to concrete (ASTM D 4541)</b>	~ 2,5 N/mm <sup>2</sup> (concrete failure)
<b>Flexural Strength</b>	~ 40 N/mm <sup>2</sup>
<b>Abrasion Resistant (ASTM D 4060)</b>	78 mg / 1000 cycles
<b>Hardness (Shore D) (ASTM D 2240)</b>	82 - 90
<b>Gloss level (Gloss meter)</b>	75 - 85 %
<b>Temperature Resistant (full cure)</b>	0 - 80°C
<b>Water Resistant</b>	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.

Disclaimer. The information and the recommendations relating to the application and end use of this product are given in good faith and are based on the information provided by the manufacturer of the product and/or the Company's current knowledge and experience in connection with the product when properly stored, handled and applied under normal conditions and no liability of final function at the job site is assumed. In practice, the differences in materials substrates and actual size conditions are such that no warranty in respect of merchantability or fitness for particular purpose, nor any liability by the Company will be accepted for misuse, misreading or derivation from recommended guidelines in respect of this product and the user shall determine the suitability of the product for his intended use and all risks and liability in connection therewith. The information contained in the brochure may change at any time without notice.



## 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.

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