



### 2 COMPONENT COLD APPLIED BRUSHABLE COATING

VX Guardian Polyurea PureSeal (Brushable) is a premium, two-component, high-solid coating based on polyurea technology, derived from the reaction product of a polyisocyanate component and an amine component. VX Guardian Polyurea PureSeal (Brushable) can be applied on miscellaneous substrates or surfaces, creating a flexible, durable, and tough surface. It can be applied with a brush, roller, or airless spray as a standalone waterproofing system.

### FEATURES

- Superior chemical resistance compared to a multitude of solvent agents
- Excellent color retention and UV resistant
- Fast reactivity and cure times
- Resistant to most chemicals, solvents, acids and caustics
- Good outdoor weathering which is resistant to chlorine and saltwater
- Non sensitive to humidity
- Thermally stable
- Moderate impact and abrasion resistance
- Nearly no odor
- Broad colour spectrum (RAL)
- Light vehicle trafficable

### TYPICAL USES

- As a waterproofing or sealing on existing base coats for flooring and roofs etc.
- Repair of existing coatings
- Truck bed lining
- Load areas on vehicles (inside & outside)
- Loading ramps
- Truck flooring and transporter flooring
- Tank lining (inside and outside)
- Corrosion protection, structural protection for hard wear and tear
- Model building & prototyping
- Underbody coating against stone chips Corner protection and overhaul
- Roof waterproofing
- Swimming Pool Application

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.



**VEXCOLT****VX Guardian Polyurea PureSeal ( Brushable )**

## PRODUCT PROPERTIES

| Precessing Properties  | Data EU                                |
|------------------------|--|
| Mix Ratio              | 3:1 (weight)                           |
| Theoretical Coverage   | 1L / 1 m <sup>2</sup> / 1 mm thickness |
| Thickness range        | 1 – 2 mm                               |
| No. of Coats           | 1 – 2                                  |
| Max thickness per coat | unlimited                              |
| Recoat time            | 1 – 2hr                                |
| Cure time              | 24 hr/90% ; 3 days / 100%              |
| Ambient temperature    | +5°C to 50°C                           |
| Surface temperature    | +5°C to 50°C                           |
| Processing temperature | Ideally 20°C                           |

| Physical Properties                                 | Data EU (DIN)                     |
|---|-----------------------------------|
| Chemical base:                                      | Amine (A)<br>Isocyanate (B)       |
| Tensile strength<br>(+/-1) MPa (N/mm <sup>2</sup> ) | > 5                               |
| Elongation  | > 500%                            |
| Shelf conditions                                    | Room temperature<br>(10°C – 30°C) |
| Shelf life  | 6 months @ 20°C / 50%rh           |
| Colour  | On Request                        |

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### SURFACES PREPARATION

In general all surfaces must be dry, clean and free of oil, grease, dust and other contaminants. Priming is always recommended after mechanical preparation, since the surface coatings can be attributed to poor surface preparation.

#### EXISTING WATERPROOF COATING

Depending on the condition of the existing waterproof coating, we recommend its removal and the repair of any damaged areas. A primer should be applied after removal and repair, prior to the application of VX Guardian Polyurea PureSeal (Brushable)

#### CONCRETE

Concrete must have a 28 days cure prior to application. Remove any curing agent, from release material, oil, wax, moisture or any material that may affect bonding. Clean and wash to remove contaminants and maintain 5% residual moisture.

Perform a moisture vapor test before making the coating application on concrete. Provide rough profile minimum of 60 to 80 mil (1.5 to 2 mm). Seal / repair all bug holes, cracks and spills. Use brush blast techniques to remove loose or weak concrete.

#### STEEL, CAST-IRON

Metal surfaces must be free of any residues. Sanding and scuffing of the original paint finish is required to get best bond on metal. Use 40 grit sanding disc with power tool or 80 to 100 grit sandpaper if sanded manually.

Film may be applied using airless sprayer, brush or core roller. Thickness of dry film is approximately 1- 2 mm per coat.

#### PRIMER

A primer is always recommended to fill voids, potholes, or bug holes and to enhance adhesion properties. The surface must be free of dust before application.

The film can be applied using an airless sprayer, brush, or core roller. Allow the primer to become tack-free before applying the coating.

For best results, "VX Carbon Primer" is recommended for concrete surfaces to prevent flash rusting.

### APPLICATION

VX Guardian Polyurea PureSeal (Brushable) should be applied by brush or roller in a conventional way.

#### SPECIAL INSTRUCTIONS

Do not spray onto wet surfaces

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