



Issued July 2016

**Water-Based**

**(CLEAR & TINTED)**

# **Polyurethane TOP Coating**

## **Two Part**

**Technical Data Sheet**

### **DESCRIPTION**

WB **Polyurethane TOP Coating**, is a two pack Polyurethane TOP coat for floors with direct sunlight, because it's UV stable. It can be **TINTED** to our colour chart. Roll **Crushed Glass** into the first two coats of Epoxy Primer to give anti-slip & scratch resistance to the Polyurethane Top Coat. WB Polyurethane has a thicker film build than most sealers.

### **FEATURES & BENEFITS**

- **UV resistance & non yellowing** outdoors.
- Excellent **scratch & wear** resistance.
- **Tough & long lasting.**
- **chemical resistance** to most chemicals.
- Excellent **dust binding & water resistance.**
- Withstands **high temperatures** - hot tyres don't cause delamination or tyre marks.

### **TYPICAL APPLICATIONS:**

- Entertainment areas.
- Car parks, garages, driveways & patios.
- External concrete & masonry.

**PRIME:** First thoroughly clean or grind surface. Apply two coats of our WB **Epoxy Primer**. If rain water gets to that floor, roll crushed glass into one or both coats of Epoxy Primer. Tint some Polyurethane and apply it as a third coat. You can flake into this coat. Apply one or preferably two coat of untinted clear Polyurethane.

### **MIXING:**

Clear POLYURETHANE TOP Coat

**200mls Part B** for every **1 litre Part A**.

(Volume Ratio: **5 part A Resin to 1 part B Hardener**)

### **POSSIBLE PROBLEMS:**

**Temperatures above 35°C** – coating dries too quickly to keep a proper wet edge.

**Temperatures below 10°C** – too cold for coating to dry, causing whitening & poor adhesion.

**Windy day** or concrete is too warm - causes coating to dry too quickly, you can't keep a wet edge & you get lap marks where the sections overlap.

**APPLICATION:** Substrate must be completely dry. Apply PU with a brush or roller. Make sure the previous coat is in good condition. This is not a DIY product because you need to use a wide roller (460mm wide) & roll at a reasonable speed so you keep a wet edge.

**COVERAGE:** Tinted Coat  $\pm 4.5 - 6\text{m}^2 / \text{Lt}$ .

Clear Top Coat  $\pm 6 - 7\text{m}^2 / \text{Lt}$ ) depending on substrate. **Number of coats:** Minimum two coats:-

**Dry Time@ 25°C:** Touch dry:- 3–4 hrs.

**Recoat time:** 4+ hours. Hard dry:- 24 hours.

Full cure:- 7 days.

**Warning:** Not to be applied below 10°C or above 80% R.H or on a warm surface. Protect the applied coat minimum 12 hours from rain. Don't spray with a hopper gun, the pressure is too high.

**TECHNICAL DATA:** **Finish:** Gloss.

**Ratio:** 5:1 PU TOP Coat

(Pack A: Pack B) by volume.

**Hardener:** Polyfunctional aziridine crosslinker.

**Pot Life:** Approx. 4 hours @ 25°C, depending on site conditions. **Colour:** Milky White - Dries Clear.

**Dry Time@ 25°C:** Touch dry:- 2-3 hours. Dry:- 24 hours. Full cure:- 7 days. **Recoat time:** 4 hours.

**Number of Coats:** 1 coat. **Solvent Resistance:**

Very good. **Pack size:** 12 Lt, 24 Lt kits. **Volume**

**Solids:** 35 -40% **VOC Content (APAS):** 125

grams/Litre. **Clean up:** Clean all equipment with water

immediately after use. Hardened materials can be removed mechanically only. Keep away from drains & waterways.

**Safety Directions: Keep out of reach of children.**

Have **good ventilation** while using. Wear suitable protective clothing & avoid contact with skin & eyes.

**Regulatory Information: Xn Harmful** – R41 Risk of serious damage to eyes. R38 – Irritating to skin. R43 - May cause sensitisation by skin contact. Contains high level of Polyfunctional Aziridine R68 – Possible risk of irreversible effects. Handle with caution because product can be very harmful if ingested.

**First Aid:** Eye Contact- rinse with plenty of running water for 5 minutes, then see a doctor. If swallowed - Do not induce vomiting. Drink plenty of water & seek medical help immediately. Wash PU Coating off skin with soap & warm water.

**Storage: Store in a cool dry place (10 - 30°C) away from direct sunlight** & protect from extreme temperatures & moisture. 12 months shelf life when stored in sealed container under the above condition.

**Disposal:** Do not dispose of unwanted product down drains, instead mix the two components together & brush onto newspaper to dry & dispose via appropriate legal collection bin. Leave empty container outside to dry. Large quantities - keep well sealed & dispose of via a recycling program in accordance with local regulations -ask your local council.

**Health & Safety:** All applicable statutory regulations must be observed in the application of this product. Users must first read the Material Safety Data Sheet for Part A & B of this product before usage to familiarise themselves with all the safety aspects involved.

**Disclaimer**

***Please Note:-*** The information given in this data sheet is based on our current knowledge of the product when properly stored, handled and applied. We cannot guarantee that the product will be suitable, effective or safe when used for any purpose other than its stated uses. Drying time and all figures quoted are not definitive (they depend on site conditions and applicator techniques).

*Since the use & application of this product is beyond our control we cannot be held responsible for product field performance. To the extent that it is lawful, we exclude warranties implied by law and limit our liability to the cost of replacing the product. We accept no responsibility for loss or injury caused by improper use, incompetent preparation, inexperienced or negligent application, or ordinary wear and tear.*

*Service or advice given by our staff should not amount to responsibility for the project - since the owner, or their contractor (and not AA Specialised Solutions), is responsible for procedures relating to the application of the product.*

**AA Specialised Solutions**

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