

AQUALINE WB ROAD MARKING PAINT – SANS 731 (PART 2, TYPE 1 & 2, CLASS 1)

PRODUCT CODE: WTP 1 & 2

TECHNICAL DATA SHEET

Product Description	A high-performance water-based coating for the marking of traffic lanes on bitumen surfaces													
Intended Uses	Suitable for marking lines on bituminous roads where a fast-drying paint is required with or without the addition of drop-on glass beads.													
Features & Benefits	<ul style="list-style-type: none"> Complies with specification SANS 731 (Part 2, Type 1 & 2, Class 1) Excellent water resistance Excellent weathering and durability Good resistance for hydrocarbon solvents Good abrasion resistance 													
Product Information	Appearance	Matt												
	Colour	White (WTP 1), Golden Yellow SABS BS356 (WTP 2)												
	Generic type	Acrylic emulsion												
	Volume Solids	63 %												
	S G	1,70 (typical)												
	Viscosity at 23 °C	80 - 90 KU												
	Recommended WFT	444 - 540 µm without beads												
	Recommended DFT	280 - 340 µm without beads												
	Theoretical spreading rate	Approx. 2 m ² /L @ 320 µm DFT without beads												
	Practical spreading rate	The practical spreading rate will vary depending on the porosity and profile of the substrate, as well as the application technique and tools used. Should drop on beads be required, the spreading rate, WFT and DFT should be adjusted to accommodate this.												
	VOC	58.6 g/L white, 38.5 g/L yellow												
Application Details	Mixing	Ready for use												
	Method	Airless spray recommended. Typical parameters for spraying are: Airless tip: 719 for 150 mm line, 515 for 100 mm line Pressure: 1700 – 2000 PSI Filter: 50 mesh												
	Thinning	Thinning is not recommended.												
	Cleaning	Water												
	Drying Time	Dry to no pick up: 15 min. @ 23 °C Over coating: 1 h @ 23 °C												
	Application Environment	<table border="1"> <tr> <td>Surface Temperature</td><td>Ambient Temperature</td><td>Relative Humidity</td></tr> <tr> <td>Min: 10 °C</td><td>Min: 10 °C</td><td>Min: 10 %</td></tr> <tr> <td colspan="3">or 3 °C min. above dew point</td></tr> <tr> <td>Max: 40 °C</td><td>Max: 40 °C</td><td>Max: 80 %</td></tr> </table>	Surface Temperature	Ambient Temperature	Relative Humidity	Min: 10 °C	Min: 10 °C	Min: 10 %	or 3 °C min. above dew point			Max: 40 °C	Max: 40 °C	Max: 80 %
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Storage and Packaging	<p>Store away from direct sun, heat and severe cold.</p> <p>Packaging: 20 L and 200 L drums.</p> <p>Shelf Life: 12 Months</p>
Surface Preparation	<ul style="list-style-type: none"> • Bitumen: The surface to be marked must be clean, dry and sound, free from oil, grease, loose particles and other contaminants. • Painting before bitumen has cured for 3 months is considered as temporary road marking
Application	<ul style="list-style-type: none"> • Apply one coat at the recommended spreading rate of approx. 2 m²/L with beads on smooth surfaces. • For rougher chip and spray surfaces application, rate must be adjusted to achieve the correct transfer efficiency and film build. • For specialised surfaces and application contact PLASCON ADVISORY SERVICE
Caution	<ul style="list-style-type: none"> • Not recommended for friable slurry surfaces and concrete that is not suitably prepared. • When drawing paint directly from a 200L drum by suction method for application, inconsistent delivery and blockages can occur within the spray equipment. • Bead Type: Use only Silane coated or silicone free beads. • Bead size: 150 – 850 µm to give maximum retro reflectance & bead retention (50 – 60% immersion). • Adhere to strict batch rotation procedure. Shelf life 6 months. • Always keep containers tightly closed when not in use.
Safety Precautions	<ul style="list-style-type: none"> • Keep out of reach of children. • Ensure good ventilation during application and drying. • In case of skin contact, wash with soap and water or a recognised skin cleaner. • Avoid contact with eyes – In case of contact, rinse eyes immediately with plenty of water and seek medical advice if symptoms persist. • Harmful if swallowed. Do not induce vomiting. Seek medical attention. • Avoid inhaling spray mist as this may cause respiratory irritation. • Refer to Safety Data Sheet for complete information.

DISCLAIMER:

The recommendations contained herein are given in good faith and are meant to guide the specifier or the user. They are based on results gained from our tests and experiences and are believed to be reliable. No guarantee is implied by the recommendations contained herein since conditions of use, method of application and cleanliness of the substrate prior to painting are beyond our control.

NB: Technology may change with time necessitating changes to this Technical Data Sheet (TDS). It is the responsibility of the user to ensure that the latest TDS is being used.

NB: TO ORDER: Quote product name, product code number, packaging and colour.

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