



Technical Data Sheet

Date of Issue: 30/09/2022 Revision Date 30/09/2022 | Version 6.0

Product name

# ROADTECT 4500 WB

RUNWAY & ROAD MARKING(UTP 1 & 2)



## PRODUCT DESCRIPTION

A high-performance water-based coating for the marking of bituminous asphalt airport runways and bitumen road surfaces where extended performance and durability is required.

## 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 AND BENEFITS

- Excellent glass bead retention
- Excellent water resistance
- Excellent weathering and durability
- Good resistance for jet fuel, petrol, and diesel
- Good abrasion resistance.
- Quick drying.

## PRODUCT INFORMATION

Appearance	Matt
Colours	White(UTP 1), Golden Yellow SABS BS356(UTP 2),
Volume Solids	± 60% (typical)
Recommended DFT	Min: 400, Max: 500µm per coat without beads.
Recommended WFT	Min: 667, Max: 883µm per coat without beads.
Theoretical spreading rate	1.3 m <sup>2</sup> /L at 450µm DFT at stated volume solids.
Practical spreading rate	The practical spreading rate will vary depending on the porosity and profile of the substrate as well as the application techniques & tools used. Should drop on beads be required the spreading rate, WFT & DFT should be adjusted to accommodate this.
VOC	< 51g/L



Viscosity 90 – 95KU (typical)  
Flash Point Non-Flammable

### APPLICATION DETAILS

Mixing Stir with a flat paddle until completely homogeneous

Method Airless spraying

Application environment

Surface Temperature	Min*: 10°C	Max: 40°C
Ambient Temperature	Min*: 10°C	Max: 40°C
Relative Humidity	Min*: 10%	Max: 85%

\*Or 3°C min. above dew point

Thinning Not Recommended

Cleaning Water. Immediately after use.

Drying Time

Dry to no pick-up	20min at 23°C
Overcoating(Min.)	1h at 23°C
Dry to handle	1h at 23°C

### STORAGE AND PACKAGING

Store away from direct sun, heat, open flames, sparks and severe cold.

Shelf Life: 12 months

Single Pack: 200L

### SURFACE PREPARATION

All surfaces must be firm, dry, and clean, free from oil, grease, or any other contaminants.

#### NEW BITUMINOUS SURFACES

- For permanent markings ensure that bituminous screeds have cured for a minimum of three months. Remove any loose particles. NOTE: Paints applied over bituminous surfaces less than three months old are to be regarded as temporary markings.

#### PREVIOUSLY BITUMINOUS COATED SURFACES

- Remove loose and flaking paint.
- Remove oil, grease, and other contaminants. Clean with POLYCELL LIQUID SUGAR SOAP.
- Rinse thoroughly with fresh water and allow to dry.



## APPLICATION INFORMATION

- Apply one coat at the recommended spreading rate of approx. 2 m<sup>2</sup>/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**
- 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 – 850µm to give maximum retro reflectance & bead retention (50 – 60% immersion).
- Adhere to strict batch rotation procedure. Shelf life 12 months.
- Always keep containers tightly closed when not in use.

## SAFETY PRECAUTIONS

- Always keep paint out of reach of children.
- Ensure good ventilation during application and drying.
- If accidental contact with skin should occur, wash immediately with soap and water or a recognised skin cleaner.
- Take care to avoid contact with the eyes. In case of contact, immediately rinse the eyes with plenty of water and seek medical attention.
- Harmful if swallowed. Seek medical attention and do not induce vomiting.
- Do not smoke while painting.
- Flammable. Store in a cool dry place away from heat and sparks.
- 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 dependable. 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.



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**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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