

Road Marking Paint Water Based



DESCRIPTION

A one component, water based, air drying, pigmented and filled road marking paint

INTENDED USE

A high quality water based fast drying, durable marking paint intended for use on horizontal surfaces - tarmac, concrete and other roadway paving surfaces. Designed for use with glass micro-beads

PRODUCT FEATURES

- Excellent adhesion to all roadway and runway materials such as tarmac, concrete and the like
- Quick drying: no pick-up time 15 minutes. Can be driven over within 30 minutes, and can be over coated in 90 minutes
- The marking can be applied with all kinds of application machines (pneumatic and hydrodynamic types)
- High abrasion resistance
- Highly compatible with reflective glass beads.
- The beads adhere well to the paint and the coating maintains its reflective properties for the life of the paint
- New Water based Technology with rapid drying times and ZERO VOC!!!
- Free from cracking with excellent weather exposure resistance

LIMITATIONS

- Only suitable for horizontal surfaces
- Will yellow (bleed) if applied to pitch type surfaces
- Cannot be applied in fog and dew
- Flammable – keep away from sources of

PACKAGING

- 5lt, 20lt and 200lt Drums

STANDARD COLOUR AVAILABILITY



PRODUCT INFORMATION

<i>Product Data</i>	
Components	1
Density kg/litre @ 25°C	White – 1.6-1.7
	Yellow – 1.6-1.7
	Black – 1.5
	Red – 1.7
Mass Solids	White – 76-79%
	Yellow – 76-79%
	Black – 72%
	Red – 74%
Volume Solids	White – 53%
	Yellow – 52%
	Black – 51%
	Red – 52%
Film Thickness	Wet – 500-600µm
	Dry – 250-300µm
Spreading Rate	1.8m ² /lt at 300µm DFT
Temperature Resistance	80°C Dry
Viscosity	79-85 KU
Appearance	Matt
Coats	1

SURFACE PREPARATION

- Surfaces to be painted should be brushed clean of loose dirt
- Apply to dry, clean, cohesive bitumen substrate or concrete substrate

APPLICATION

Mixing – One Component

Stir well with a flat-bottomed paddle or mechanical mixer until product is uniform






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APPLICATION

Application – Equipment & Methods

- The marking can be applied with all kinds of application machines (pneumatic and hydrodynamic types)

 Brushes	Preferred for smaller areas. On porous under bound surfaces thin the Road Marking Paint with 2% Water						
 Rollers	Preferred for smaller areas. On porous under bound surfaces thin the Road Marking Paint with 2% Water						
 Airless Spray	<table> <tr> <td>Pump Ratio</td> <td>- 30 to 1 Min</td> </tr> <tr> <td>Nozzle Orifice</td> <td>- 11 to 41 Thou</td> </tr> <tr> <td>Tip Pressure</td> <td>- 145 Bar Min</td> </tr> </table>	Pump Ratio	- 30 to 1 Min	Nozzle Orifice	- 11 to 41 Thou	Tip Pressure	- 145 Bar Min
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Bead Application

- Glass micro beads must be applied not more than 3 seconds after application of road-marking paint
- The micro-beads should be mechanically applied in such a way that the beads are properly immersed in the applied paint.
- 250 – 300grams of beads should be applied per m2
- Use only beads from a Speccoats approved supplier

Thinning

- Thin up to 2% if needed (e.g. at temperatures of 5 - 10°C) with Tap **Water**

Cleaner

Cleaning is done with **Speccoats SA65 Thinners (dried paint)**

APPLICATION ENVIROMENT

Level	Surface Temperature	Ambient Temperature	Relative Humidity
Minimum	5°C*	5°C	0%
Maximum	60°C	40°C	80%

*or 3° above the dew point

DRYING TIME

Touch dry	Over-coating interval		Dry to handle	Full Cure
	Minimum	Maximum		
30 minutes at 25°C for 50µm at 65% RH	90 minutes at 25°C at 65% RH	-	45 minutes at 25°C at 65% RH	90 Minutes

STORAGE AND HANDLING

Storage - Store at temperatures between 5°C and 40°C, away from direct sunlight, open flames or sparks

Shelf Life - Minimum 1 year when packed in original containers

HEALTH AND SAFETY

- Adequate ventilation should be provided during use (contains hazardous volatile solvents)
- Avoid contact with the skin by using gloves, barrier creams and face mask
- If the product comes into contact with the skin, wash immediately with lukewarm water and soap, if the eyes are affected flush with water of diluted boric acid solution and seek medical attention immediately
- Refer to Material Safety Data Sheet (MSDS)

DISCLAIMER

Whilst we endeavour to ensure that all advice we give about the product is correct, the information given in this data sheet is not intended to be exhaustive and any person using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us as to the suitability of the product for the intended purpose does so entirely at his own risk. As conditions of use, method of application and suitability of the substrate prior to painting are beyond our control, no guarantee is implied by the recommendations contained herein. We therefore do not accept any liability whatsoever or howsoever arising from the performance of this product or for any loss or damage arising out of the use of this product. The information contained in this sheet is liable to modification from time to time in the light of experience and ongoing product development programmes. It is the user's responsibility to ensure that this sheet is current prior to using the product. **ISSUE DATE 23/09/2011**