

PLASTILINE® 1C Waterborne RACEWAY Marking

High solids, high sheen road marking paint for line & area marking

PLASTILINE® 1C Waterborne Raceway Marking is a one component, *Quick-Set* technology waterborne road & raceway marking paint with a high hardness and good flexibility, skid resistance and good water drainage effect. It offers fast drying and fast return to service, high colour luminance, skid resistance and traction in wet conditions.

Applied by airspray or roller application in either a single layer application or multi-layer sandwich application.

Intended Uses:

Used for the safety and decorative marking of asphalt tarmac or primed concrete raceway surfaces.

- A waterborne, environmentally friendly paint
- Characterised by fast drying, excellent coverage, and high luminance.
- High resistance to fading with good colour retentions. Provides excellent skid resistance for highspeed racing and drainage effect under rainy conditions.
- Suitable for asphalt and primed concrete surfaces
- Processed using air atomising technique or roller application.
- Tested according to EN 1871 (refer to FAST DRY test report)

Technical Data:

Colour	RAL 1023, Traffic Yellow RAL 2002 Vermillion RAL 2009 Traffic Orange RAL 3020 Traffic Red RAL 5002 Ultramarine Blue RAL 5011 Steel Blue RAL 5017 Traffic Blue RAL 6018 Yellow Green RAL 6024 Traffic Green RAL 6029 Mint Green RAL 7042 Traffic Grey A RAL 7043 Traffic Grey B RAL 9016 Traffic White RAL 9017 Traffic Black Other colours on request
Opacity	> 95%
Supply form	Component A 25 kg bag of Raceway Grit supplied separately Mixed together for a single layer spray application. Or applied separately as a sandwich application.
Density (approx.)	1.55 Kg/ Litre (Typical for white)
Mass Solids	80%
Typical Coverage	0.42-0.70 Lt / m ² -per layer excluding grit. Grit consumption whether premixed or dropped on shall be calculated at 0.5kg to 1.0kg / m ² Actual consumption will depend on layer thickness and the type of surface.

Method of Application	Single Layer 1. Add 50% of the grit to the paint and apply with airspray with a 2.5 – 3.0mm nozzle at a rate of 800-900grams/m ² Sandwich System 2. Apply 1 layer of paint at 0.42 to 0.70 Lt m ² , while wet broadcast the non-skid aggregate at a rate of 0.5kg to 1.0kg / m ² and allow to dry 3. Remove excess grit by blowing away. 4. Apply 1 more layer of paint at 0.42 to 0.0.50 Lt / m ²
Number of Coats	As a single layer by spray application. Or in 2 layers with broadcasting of aggregate in-between.
Pack Size	5 & 20 Litre Plastic Drums
Tariff Code:	HS32091090

Drying Information:

Without drop on glass beads, this paint dries to a lab ASTM D711 no pickup in less than 20 minutes @ 250um WFT when ambient and surface temperatures are 25°C at 50% RH.

When glass beads are applied at a rate of 0.7kg / Lt to a 375um wet line, the field applied paint will dry to an ASTM D713 no-tack in less than 20 minutes when applied at the weather conditions above.

Environment:

		Air Temperature	
		10 – 20°C	20 – 40°C
Relative Humidity	20 – 50%	10 – 20 min	5 – 15 min
	50 – 80%	15 – 30 min	10 – 25 min
	80 – 90%	30 – 60 min	20 – 45 min

* Application when Relative Humidity is above 80% will extend drying time.

Limitations:

- Apply a test strip to determine the SRT Values and follow through with the same application method.
- Do not mix in “Skin”.
- Do not apply when rain is forecasted within 2 hours.

Surface Preparation:

PLASTILINE® 1C Waterborne Raceway Marking can be applied on different road surfaces as well as on old markings (however, this can cause ghosting of the previous marking). The quality and cleanliness of the substrate will influence the paint adhesion and therefore the durability of the road-marking system.

Concrete Road Surfaces

Concrete needs to be pre-treated by milling, shot blasting, high-pressure water blasting and primed with Deep Penetrating Primer WB. For fresh concrete, wait for a minimum of 1 month before applying waterborne paint due to the high alkalinity of the substrate.

Asphalt Road Surfaces

Remove incompatible paint systems, sweep surface to remove dust and debris.

Road & Line Marking

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

Application:

Spray Application	Single Layer 1. Add 50% of the grit to the paint and apply with airspray with a 2.5 – 3.0mm nozzle at a rate of 800-900grams/m² Sandwich System 2. Apply 1 layer of paint at 0.42 to 0.70 Lt m² , while wet broadcast the non-skid aggregate at a rate of 0.5kg to 1.0kg / m² and allow to dry 3. Remove excess grit by blowing away. Apply 1 more layer of paint at 0.42 to 0.0.50 Lt / m²
Roller/Brush Application	Before application begins, it is important to mix material first to ensure there is no settlement. Application can be done manually with a thick nap nylon roller.
Thinner	Up to 5% water can be added.
Cleaner	Water
Work Stoppage	Do not allow material to remain in spray equipment after use; thoroughly flush and clean all equipment with water. Due to PLASTILINE® 1C Waterborne RACEWAY Markings fast drying properties, is best practice to keep the roller/brush wet during application. When stopping for a break, wash & re-use roller/brush or start with a new set.
Clean Up	Clean all equipment immediately after use with water. It is advisable to periodically flush out spraying equipment during the course of the working day. Frequency of cleaning is dependent upon the amount sprayed, temperature and elapsed time.

Storage:

- Shelf Life: 12 months @ 25°C from date of manufacture.
- Materials must be stored in a warehouse with temperatures between 5°C and 35°C.
- Material should not be used after the shelf-life expiry date. Drying performance and glass bead retention may decrease if shelf life is exceeded.

Precautions:

For complete safety and handling information please refer to the appropriate Safety Data Sheets prior to using this product.