

REC SB BRICK & CURB 905

HIGH SOLIDS SOLVENT-BASED ROAD MARKING PAINT FOR BRICK & CURB SURFACES

DESCRIPTION

REC SB BRICK & CURB 905 is a one component, solvent-based, adhesion promoted road marking paint offering fast drying & fast return to service with very high coverage & a high sheen.

REC SB BRICK & CURB 905 road marking paint has been formulated to provide enhanced adhesion to brick & curb surfaces. **REC SB BRICK & CURB 905** can be used on interlocking bricks, paved roads & parking lots, curbs, paved islands and on airport concrete aprons with or without reflective glass beads.

Due to the high pigment load, **REC SB BRICK & CURB 905** has very high coverage and the high sheen provides a more dirt resistant surface.

REC SB BRICK & CURB 905 can be applied directly to well-prepared paved & curb surfaces. For enhanced performance, a primer can be used – REC Epoxy Primer, REC Dust Fixing Primer SB or Deep Penetrating Primer WB.

FEATURES/BENEFITS

- Enhanced adhesion to paved & curb surfaces.
- Fast drying.
- Suitable for application with airless and air atomizing equipment.
- Good glass bead embedment and retention properties.
- Excellent dirt resistance.
- Very high coverage.
- Excellent resistance against abrasion.
- Excellent alkali resistance.
- High luminance.
- Moisture tolerant.
- Lead free.

TECHNICAL INFORMATION

Colour	White, yellow, red, black, blue & green.(Other colours available upon request) Colour complies with SANS 731-1 in accordance with BS 381 C.In accordance with EN 1871 chromaticity co-ordinates Table 2.
Viscosity	80 – 90 KU
Finish	High sheen
Density (approx.)	1.4 Kg/ Litre (Typical for white)
Mass Solids	76%
Volume Solids	55%
Typical Film Thickness & Coverage(On flat surfaces)	0.30 Lt to 0.60 Lt per m ² 300µm to 600µm WFT 0.50 Kg to 1.00 Kg/ m ² 165µm to 330µm DFT

Method of Application	Brush, roller, airless or air atomizing equipment		
Number of Coats	1 coat by spray		
Application Temperature	5°C to 45°C		
Drying Time vs Humidity vs Temperature	Relative Humidity	Air Temperature	
		10 – 20°C	20 – 40°C
	20 – 50%	10 – 20 min	5 – 15 min
	50 – 80%	15 – 30 min	10 – 25 min
	80 – 90%	30 – 60 min	20 – 45 min
Drop on Reflective Glass Beads*Applied minimum 400 gm/m ²	REC Reflective Glass Beads AP EN 1423 212-850um Class REC Reflective Glass Beads UC EN 1423 212-850um Class A		

Only use glass beads that have been tested and deemed suitable for application. An embedment of 50 – 60% glass beads is optimal to achieve good adhesion and retro reflectivity.

*Application equipment & methods should be adjusted to optimize the applied product.

*Selecting the correct bead will enhance the total durability of the road marking system, always consider the diameter of the bead being used with the thickness of the coating to be applied. The paint thickness should not be less than 50% of the diameter of the smallest glass bead.

DIRECTIONS FOR USE

REC SB BRICK & CURB 905 is supplied ready for processing. Before processing the material must be mixed well. In general, it is not necessary to add thinner but for optimizing the materials spray properties approx. 2% Solvent EA can be added.

Refer to application guideline for further details.

SURFACE PREPARATION:

PAVED & CURB SURFACES

It is recommended to prepare surfaces properly before the application of **REC SB BRICK & CURB 905**. Preparation can be done using mechanical methods such as high-pressure cleaning, grinding, or blasting.

The surface must be dry, clean, free of dust, contamination, oils, loose particles, and other impurities. Existing road markings and surface must be checked for load bearing capacity where the road marking material is to be applied.

If in doubt an adhesion test sample should always be carried out.

If required, the old road markings should be removed prior to application using suitable mechanical methods.

Surface components that impair adhesion, such as fine mortar layers, concrete slurries, curing compounds etc. must be removed by suitable mechanical methods such as high-pressure cleaning, grinding or blast cleaning.

When using a primer ensure that the surface is completely wetted with primer to ensure optimal adhesion of the road paint. The consumption of the primer depends entirely on the porosity of the paving or curb. The primer should have sufficient time for the water to evaporate prior to final application of the road paint which is generally around 30 minutes. Generally, once the primed surface is no longer sticky to the touch it is ideal for application of road paint.

The moisture of the paving or curb should not exceed 4% when marking. A minimum 48 hours should be allowed after rain.

PRECAUTIONS, TIPS & CLEAN-UP:

- When sitting overnight, the system should be closed.
- Make sure the pump pressure is off if it is an airless system.
- If the system has not been in use for a long time, flush with Solvent EA.
- If the paint dries though, cleaning with MEK or acetone will soften the paint enough to remove it from the equipment.
- Use only Solvent EA for paint flushing or equipment washing.
- Air caps and nozzles must be removed and cleaned carefully with Solvent EA using a nylon brush.
- Never allow the paint to dry through in the lines or on the gun and tips.
- Do not apply to clay or face brick surfaces.
- Ensure good ventilation during application & drying.

CLIMATIC CONDITIONS:

- Always check weather forecast.
- Do not start application if heavy rain is expected within 2 hours.
- As for other road markings do not paint on wet surfaces.
- Do not apply below 5°C or over 45°C air temperatures.

PACKAGING

REC SB BRICK & CURB 905 is available in 5, 20 & 210 Litre Drums.

STORAGE

- Shelf Life: 6 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.

HEALTH & SAFETY

As with all construction chemical products, caution should always be exercised. Protective clothing such as gloves and goggles should be worn. Treat any splashes to the skin or eyes with fresh water immediately. In case of swallowing, seek medical assistance.

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