



ROAD MARKING

Guideline RM 164 Paint

Scope

A single pack , air drying acrylic water based road marking paint , which ensures safety on road with excellent wear and weather resistance properties.

Uses

Recommended for concrete and asphalt surfaces as well as for kerb painting in the road highways . It is suitable for lane marking in Runways, Taxiways, Aprons in airfields as required with quick drying capabilities for the paucity of time in airport maintenance.

Product data

Type	Single pack	
Composition	Acrylic water based road marking paint	
Application Method	By Brush or Spray	
Volume Solid	35 ± 2 %	
Volatile Organic Content	< 30 gms/ Ltr	
Recommended DFT	25 -35 μ	
Recommended WFT	71-100 μ	
Theoretical Spreading Rate	10.0 to 14.0 m ² / lt *	
Overcoating interval	Minimum	after dry to no pick-up time [45 - 60 minutes]
	Maximum	extended and done on dry clean surface
Drying Time	Surface dry: 20 min	
	Hard dry: 60 min	
Colour	White, Yellow, Black & Red	
Thinner/Cleaner	Potable water	
Finish	Smooth & Matt	
Packing	20 ltrs	
Storage Life	Upto twelve months as long as the sealed containers are kept in a cool dry place (10 ⁰ to 35 ⁰ C) and in original unopened containers.	
Conforms to:	IS- 164 (1981) specification	

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Substrate preparation

Substrate must be fully cured, dry, sound and clean. All voids, dents are to be repaired. It shall be free from other containments, such as curing compounds, sealers, oil, grease, dust and salts.
 Wire brush and remove dust using compressed air blow or vacuum clean to ensure free from contaminants, flying debris, laitance, loosely adhering concrete.
 High pressure water jetting is recommended at 2000-3000 psi for removal of any residue of curing materials on concrete and bituminous concrete surfaces.
 Alignments and border of lines shall be marked with oil free marker or emulsion paint. The closest standard of surface preparation is to SSPC SP1 and SP2.

Application guidelines

Substrate moisture content should be lower than 5 %.
 Application by Brush: Add minimum required thinner not exceeding 20% to volume of paint depending on DFT built required.
 Application by Airless Spray: Recommended 10 - 20% thinner and the nozzle orifice should range between 0.33-0.49 mm and the nozzle pressure should be 1700 - 2100psi.
 Application pressure needs to be adjusted to get the desired film thickness based on fan width and line definition.

Precautions

The typical wind speed should be less than 15 Kmph. Paints will require longer drying time when relative humidity exceeds 80% or when the atmospheric temperature and wind causes the substrate temperature fall below 10°C.
 Flush the equipment before and after use with copious amounts of water and ensure no dried residue is in the hose or the filtering mesh.
 Inhalation of coating mist and contact with skin or eyes should be avoided. Safety precautions as with any acrylic compounds should be adhered.
 Refer MSDS and health and safety guidelines.

Notes

Practical coverages should be arrived based on the method of application, substrate porosity etc

Painting Systems

Substrate	No of coats	Product
Concrete	2	Guideline RM 164 Paint
Bituminous Concrete	2	Guideline RM 164 Paint

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