Falco Lux Road Marking

Product Description

Falco Lux Road Marking is a based on Thermoplastic Acrylic resin blended with rich pigments with good color retention. It has excellent durability, flexibility, quick drying, highly water resistant, none bleeding on asphalt and unaffected by gasoline, oil, etc. It has good mechanical and abrasion resistance.

Recommended Usage

To be used for Kerbstone, Road ways, Traffic Crossing, Airports, Service Station, Parking lots.

Technical Data

Color	White, Yellow, Black and Gray			
Finish	Smooth / Glossy			
Solid contents by volume ±2%	White	Yellow	Black	Gray
	55 %	53%	54%	55%
	Minimum	Maximum	Typical	
Wet film thickness (microns)	129	166	148	
Dry film thickness (microns)	70	90	80	
Theoretical spreading rate (m2/ltr.)	7.7	6	6.7	
Viscosity (poises)	White	Yellow	Black	Gray
	22-24	10-13	6-8	22-24
Specific gravity	1.45 - 1.55 gm/cm³			
Drying time	Dry to touch (hours)	1		
	Dry to recoat (hours)	5		
Thinner / Cleaning	Falco Thinner 1050			

Hint

Theoretical spreading rate is a value that depends on solid content and desired dry film thickness by the following equation:

$$\text{Theoretical spreading rate} = \frac{10 \times \text{solid content by volume}}{\text{DFT in microns}}$$

Application Data

Surface Preparation

The surface must be clean, dry and free from dust, oil, grease and any contaminations.

Tools

Brush, roller or spray.

Spray Data

Pressure at nozzle : 150 kg/cm2 (2100 PSI)
Nozzle tip (inches) : 0.013 - 0.021
Spray Angle : 60^0 - 80^o
Filter : be sure that the filters are clean.

Application Method

Apply two coats of Falco Lux Road Marking by brush, roller and spray thinned with Thinner 1050 (10-15% by volume).

Recommended paint system:

- Falco Lux Road Marking 2 coats

Addition of glass beads to the paint improves the visibility and increases its effective life. Normally glass beads are added at a rate of 0.4 to 0.5 Kg/m2. It can be added to the wet paint surface.

Note: paint system may be varying according to the substrate.

Packing size

- 1 liter, 1 US gallon and 5 US gallons steel cans (for local).
- 1 liter, 1 US gallon, 18 liters steel cans (for export).

Storage

- The product should be stored in a dry, cool place and away from direct sun light.
- Cans should be well closed, classified according to the base and to be arranged by a maximum 3 plastic cans/row and 5 steel cans/row.

Health and safety

- Inhalation Risks:

  Vapor or mist can cause headache, nausea & irritation of the nose throat & lungs.

- Skin & Eye Contact:

  Use good personal hygiene practices while working with this material. Dry contaminated clothing before reuse. For eye contact, flush with fresh water for at least 15 minutes. If irritation persists, get medical attention.

- Skin Absorption : Not expected.

- Ingestion Health Risks:

  It may be harmful or fatal if swallowed. ingestion may cause nausea, vomiting & diarrhea. Consult a physician.

- Health Hazards : Acute & chronic (not expected).

- Emergency & First Aid Procedures:

1. Dermal : Clean with soap & water.
2. Ingestion : Consult a physician.
3. Inhalation : Remove to fresh air.

Fire & Fire Fighting Data

Flash Point : 38° C.
Flammable limits : None.
Extinguishing media : Foam, Alcohol Foam, CO2 and dry chemical.

Physical / Chemical Characteristics

Vapor Density	: Heavier than air.
Evaporation Rate	: Slower than other.
Solubility in Water	: Soluble.
Appearance/Odor	: Liquid, Mild Odor

For more information please refer to the Material Safety Data Sheet.