Technical Data Sheet

Road Marking Paint WB

Product Description

High-performance, water-based acrylic road marking paint designed for concrete and asphalt surfaces. Provides durable, fast-drying, and environmentally friendly markings with excellent adhesion and visibility.

Product uses:

- Roadways, highways, and parking lots.
- Pedestrian crossings and safety zones.
- Industrial floors and sports courts.

Properties

- Eco-Friendly: Low VOC, water-based formulation with minimal environmental impact.
- Fast Drying: Touch-dry within 15–30 minutes, enabling quick reopening of roads.
- Excellent Adhesion: Strong bond to asphalt and concrete surfaces.
- Durability: Resistant to abrasion, weathering, and UV exposure.
- High Visibility: Bright colors with good opacity for day and night visibility.
- Easy Application: Compatible with airless spray, roller, or brush.
- Non-Flammable: Safer storage and handling compared to solvent-based paints.
- Cost-Effective: High coverage rate and reduced maintenance cycles.

TECHNICAL PROPERTIES

Appearance/Color	White, Yellow, Black (custom colors available)
Density:	~1.45 kg/ltr
Viscosity:	80–100 KU
Volume solids %:	55 %
Theoretical spreading rate:	5.5 m^2/ltr (100 micron DFT) 3.8 m^2 / kg (100 micron DFT) 38 LM/kg for 10 cm width line (100 micron thickness)
Recommended DFT: *(Dry Film thickness)*	100-150 micron
Surface dry:	15-30 approx. min (s) 23°C/73.4°F 50% R.H.
Light foot traffic	1 hours (23°C and 50% R.H.)
Full dry:	4 hours (23°C and 50 % R.H.)
Application temperature:	+10 °C/50° F and +35 °C/ 95°F

Application Details

Application method:	Brush / Roll / Airless Spray
Thinner:	Clean Water
Thinner Amount:	Brush (Do not Thin) – Roller (10 %) - airless Spray (5%)

Surface Preparation:

- Substrate must be clean, dry, and free of dust, oil, grease, or contaminants.
- For asphalt: ensure surface is cured and free of loose aggregates.
- For concrete: remove laitance and ensure proper curing.

Preceding coat:

For Asphalt Surfaces: There is no primer to be applied.
For Concrete Surfaces apply one coat of Acrylic Concentrated Sealer

Light reflection:

For light reflection, use good quality Glass Beads. The glass beads should be sprinkled evenly on the surface immediately upon application of road marking paint while the paint is still wet. Consumption up to approximately 8.6 kg. per 20 kg of paint.

Application remarks:

When asphalt is not fully hardened and compressed prior to paint application, the risk of cracking and lifting on edges of paint lines will increase. Bleeding may occur with certain asphalt mixtures. It is recommended to apply a (small) test patch on asphalt substrates, prior to full application, in order to check for bleeding and lifting of edges. To achieve the best result, **ttc Road Marking Paints WB** should be applied undiluted, by means of airless spray.

Important Remarks:

- Surfaces must have enough structural strength.
- Concrete should have minimum of 25 N/mm² compression resistance and minimum 1, 5 N/mm² tensile strength.
- Applications below 10°C should be avoided.
- The surface should be protected from moisture and rain for 6 hours after application.
- All application tools and equipment should be cleaned with **Toluene** immediately after the use. Cured material can only be removed mechanically.
- Use only where application and drying can proceed at temperatures above: 10°C/50°F. The temperature of paint itself should be 15°C/59°F or above.
- NOT recommended for use over damp/wet surfaces.

Shelf life & Storage:

12 months from date of production if stored properly in original, unopened and undamaged sealed packaging in dry conditions at temperatures between +5°C and +30°C.

Safety:

For information and precautions on the safe handling, transportation storage and disposal of chemical products, users shall refer to the most recent Material Safety Data Sheet containing physical, ecological, toxicological and other safety-related data.

Legal Notice:

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