

DURANILE ECOLINE WB 200

Water-Based Acrylic Road Marking Paint

Product Description:

ECOLINE WB 200 is a high-performance, water-based road marking paint designed for environmentally responsible applications without compromising on visibility or durability. Engineered with advanced acrylic polymer technology, it delivers excellent adhesion, fast drying times, and superior resistance to weathering—making it ideal for urban and suburban traffic zones..

Features & Benefits:

- **Low VOC & Eco-Friendly:** Formulated with minimal volatile organic compounds (VOCs), **ECOLINE WB 200** meets environmental regulations and supports sustainable road marking practices.
- **Fast Drying:** Rapid drying time allows for quick reopening of roads and minimal disruption to traffic—typically tack-free in under 10 minutes in normal conditions.
- **Strong Adhesion:** Bonds effectively to asphalt and concrete surfaces, ensuring consistent performance and longevity.
- **High Visibility:** Compatible with reflective glass beads for enhanced night-time visibility and safety.
- **Versatile Use:** Suitable for city streets, residential zones, parking lots, bike lanes, and crosswalks—perfect for both permanent and temporary markings.
- **Cost-Effective:** Low application cost and easy maintenance.
- **Skid Resistant:** Meets EN 1436 skid performance.

Uses :

ECOLINE WB 200 is used in :

- Highways and local roads
- Parking lots and garages
- Airports, runways and helipads
- Industrial and logistic zone markings
- Bicycle and pedestrian lanes
- Temporary construction zones (removable coatings)

ENVIRONMENTAL & SAFETY COMPLIANCE

- **Low VOC (< 80 g/L)** – Fully compliant with EU Paint Directive 2004/42/EC.
- **Heavy Metal-Free** – No lead, cadmium, chromium or mercury pigments.
- **Non-flammable** – Water-based chemistry reduces fire risk.
- **Safe for Indoor Use** – Minimal odor and toxicity.
- **REACH Compliant** – Does not contain SVHCs (Substances of Very High Concern).

Technical specifications

| Property | Specification |
|-----------------------|---|
| Base Material | Acrylic Dispersion |
| Appearance | Matte Finish |
| Color | White/Yellow |
| Solids by Weight (%) | 60% ± 2% |
| Viscosity (KU @ 25°C) | 75-95 KU |
| Density | 1.5 ± 0.05 g/cm³ |
| pH | 8.5 - 9.5 |
| VOC Content | < 80 g/L (Compliant with EU Directive 2004/42/EC) |
| Drying Time | Touch dry: 10-15 min; Full cure: < 1 hr |
| Reflectivity (White) | RL > 150 mcd/m²/lx (with glass beads) |
| Weather Resistance | Excellent (ISO 11341) |
| Skid Resistance | SRT > 45 (EN 1436 Class S2) |

APPLICATION METHODS

Recommended Equipment:

- Roller (short-nap or textured)
- Airless or conventional spray system (optional)

Surface Preparation:

- Clean surface to be free of oil, grease, dust, and moisture.
- Ensure surface is dry and temperature is above 10°C.

Application:

- Stir thoroughly before use.
- Apply in 1-2 coats depending on coverage and substrate.
- Apply at 200–300 µm wet film thickness
- Drop-on glass beads may be applied immediately after painting.

Coverage:

Approx. 4–5 m²/L at 250 µm WFT

Drying & Curing:

- Dry to touch: 10–15 minutes
- Light traffic: 30 minutes
- Full cure: < 1 hour (depending on weather)

Clean-Up:

- Tools and equipment can be cleaned with water before drying.