

Liner® Two-Component Screed Road Marking Material

GENERAL INFORMATION

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| Product Name | Liner® Two-Component Screed Road Marking Material |
| Product Definition | Highly durable road marking material that contains methyl methacrylate based resin and that is applied using screed application |
| Application Type | Flat, Profile or Structured (Agglomerate) applications |
| Application Areas | Junction crossings, stop lines, chevron highlights, offset highlights, direction arrows |

PROPERTIES

1 It cures due to the addition of the second component and not by the evaporation of solvent. Therefore, it is a low VOC road marking material and it is environment-friendly.

2 Resistant to snow maintenance and tire abrasion.

3 Excellent adhesion to surface.

4 Very easy application using only simple equipment. No need to heat the paint unlike thermoplastics.

TECHNICAL SPECIFICATIONS

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|--------------------------------------|--|
| Thickness (mm) | Up to 1 cm |
| Colors | White, yellow, red, blue, green and other colors upon request |
| Density (g/cm ³) | 1.85 - 2.05 |
| Curing Time* | Approximately 30 minutes at 25°C |
| Viscosity at 23°C (Daniel Flow Test) | 10 - 16 |
| Storage Conditions | Below 30°C and away from direct sunlight |
| Consumption at 2mm Thickness | 3.7 - 5.3 kg/m ² (Depends on surface texture) |
| Hardener Requirement | 0.5 - 3 % (Depends on surface temperature) |
| Nighttime Retroreflectivity | Liner Two-Component Screed Road Marking Material contains inmix glass beads. For extra nighttime visibility, silane-coated drop-on glass beads need to be applied at 300 - 500 g/m ² according to the application type. |

* Keeping hardener ratio constant, curing time decreases with increasing surface temperature and vice versa.

VALUES EXPECTED FOR WHITE COLOR

| | Value | Class |
|--------------------------------|-----------------------|-----------------------|
| Luminance Factor (β) - EN 1871 | ≥ 0,80 | LF ₆ |
| Daytime Visibility (QD) | ≥ 100 | Q ₂ |
| Nighttime Visibility (RL) | ≥ 100 | R ₂ |
| Chromatic Coordinates (x,y) | complies with EN 1436 | complies with EN 1436 |
| Skid Resistance (SRT) | ≥ 50 | S ₂ |

EQUIPMENT

- Liner Two-Component Screed Road Marking Material can be applied by flat, profile and structure application types.
- Each application type requires specialized paint and equipment.
- For more information on our paint and equipment requirements, you may contact our company.

TRANSPORTATION AND APPLICATION

- Liner Two-Component Screed Road Marking Material is transported in 25 kg metal drums.
- One 20' container can get up to 15 ton, one 40' container can get up to 24 ton of road marking material.
- Settlement can be seen in 1-2 months after the production date. Material can be made homogenous again by agitation.
- Before adding hardener, road marking material should be agitated for 1-2 minutes until it becomes homogenous.
- Road surface should be cleaned of dirt and dust before application. Otherwise, adhesion to road surface will be less.
- If application will be made on smooth concrete surface, it is recommended that concrete be trimmed and primer be applied on concrete after trimming is complete.
- Application should be made when surface temperature is between 10 - 50 °C. Otherwise, road marking material may not cure completely.
- Do not use synthetic thinner for thinning the material.
- After road marking material is cured, the accumulated dirt and dust may be cleaned with water at low pressure.

