



TECHNICAL DATA SHEET

MF 21 - WHITE

FLAT TWO COMPONENT ROAD MARKING PAINT



- Our two-component MMA resin-based road marking paint "MF 21 ", is an ideal solution for crosswalks, stop lines and rumble strips, which play an important role in traffic safety.
- Two component road-marking paints have high physical and chemical resistance and stick to the surface by hardener with the reaction that occurs as a result of mixing the components in certain amounts.
- It has been formulated to meet the requirements of the TS EN 1871, TS EN 1436 and Highways Technical Specification.
- The thickness of paint film can be between 1 mm and 5 mm.

PRODUCT INFORMATION

- Class: Two Component Road Marking Paint
- Application Information: Special application apparatus and machinery.
- Product Name: MF 21 Flat
- Color: White

APPLICATION INFORMATION

Surface Preparation and Application Information

Before the application of MF 21, the area should be dry and away from dust, grease, and other dirt.

The drying occurs by the chemical reaction that is generated by mixing the powder B component with liquid A component. Thus, the paint must be applied within maximum 7 minutes after mixing the B component.

Glass beads are poured on it to increase its reflective effect.

Do not apply in the day time in summer and hot air.

Drying Time: 10 – 25 min.

Max. Humidity: % 85

PRODUCT AND GLASS BEADS CONSUMPTION AMOUNTS

| | |
|---|-------------------------|
| Paint Consumption (2 mm-3 mm film thickness) | 4-6 kg / m ² |
| Glass Beads | 500 g / m ² |

Note: The values in the table are theoretical values.
Consumption amount can be changed according to the surface and weather conditions.

PHYSICAL PROPERTIES

- Color: White
- Viscosity (Daniel): 13 ±1
- Density: 2,00 g / ml. ± 0,05
- Amount of solid matter: 86 ± 2%
- Luminance factor class: LF6 / β ≥ 0,80
- Storage stability: 4 and over
- UV ageing: UV 1
- Bleed resistance: BR 1



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ROAD TRIAL RESULTS

| Value and for each number of roll-overs (x106) | Night-Time Visibility (mcd. m ⁻² .lx ⁻¹) | Skid Resistance | Day Time Visibility (mcd. m ⁻² .lx ⁻¹) | Luminance Factor |
|--|---|-----------------|---|------------------|
| P | R _L | SRT | Q _d | β |
| (0,01) P0 | 480-R5 | 55 – S3 | 241-Q5 | 0,714 – B5 |
| (0,1) P2 | 553-R5 | 50 | 237- Q5 | 0,714 |
| (0,2) P3 | 562-R5 | 49– S1 | 237-Q5 | 0,671 |
| (0,5) P4 | 558-R5 | 49– S1 | 242-Q5 | 0,707 – B5 |
| (1,0) P5 | 484-R5 | 48 – S1 | 233-Q5 | 0,703 – B5 |
| (2,0) P6 | 433-R5 | 48 – S1 | 233-Q5 | 0,713 – B5 |
| (4,0) P7 | 396-R5 | 45 – S1 | 226-Q5 | 0,702 – B5 |

Trials and controls were carried out by Asociacion para el Estudio de las Tecnologias de Equipamiento de Carreteras, S.A., an accredited organization. C / Isaac Peral, no: 1 E-28914 Leganes (Madrid) -Spain Tel: +34 916 800 160 - aetec@aetec.es

PACKAGING AND STORAGE CONDITION

- **Package:** 25 kg / Drum
- **Storage:** Store in dry and regularly ventilated indoor areas, keep away from fire.
- **Shelf Life:** The date of expiry is one year from the production date



MSDS