



TECHNICAL DATA SHEET

CONSTANCE - WHITE

MMA BASED ACRYLIC ROAD MARKING PAINT



- 'Constance' cold road marking paint is based on solvent and MMA acrylic resin.
- This paint can be used for marking of all kinds of urban roads and express ways, parking lots and other areas, however, it should not be applied on alkyd based cold road marking paint.
- This one component road marking paint is applied by spraying on the surface and reflects light thanks to glass beads being dropped on the paint.
- Depending on the pigments used in it, the paint may be in any color.
- This solvent-based paint is applied in approximately 350 – 800 micron of thickness with spraying.

PRODUCT INFORMATION

- Class: MMA acrylic resin based cold road marking paint
- Application Method: Airless of pneumatic machine, brush, roll
- Product Name: Constance
- Product Color: White (It can be produced according to the color codes selected from the RAL catalogue.)

APPLICATION INFORMATION

Surface Preparation and Application Information:

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

The existed old paint should be cleaned, but if it isn't easy, application can be done on it.

With automatic application equipments, paint should be spraying to the road surface and drop on glass beads on the product.

In case of need, application can be done with brush or roll.

There is no need to dilute the product because it is on the application viscosity. In case of need, it can be dilute with its own thinner.

Use glove and mask during the application.

Drying Time: 20 min.(25 °C and % 49 Humidity)

Max. Humidity: % 80

PRODUCT AND GLASS BEADS CONSUMPTION AMOUNTS

Paint	500-900 g / m ²
Glass Beads (TS EN 1423)	350 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: 90 ± 10 KU (23°C±1)
- Density: 1,60 g / ml. ± 0,1
- Amount of solid matter: At least %75
- Luminance factor: LF7 / β ≥ 0,85
- UV ageing: UV 1
- Hiding power: At least %95
- Bleed resistance: BR 1
- Storage stability: 6 and over



TECHNICAL DATA SHEET

CONSTANCE - WHITE

MMA BASED ACRYLIC ROAD MARKING PAINT

ROAD TRIAL RESULTS

Value and for each number of roll-overs ($\times 10^6$) P	Night-Time Visibility ($\text{mcd. m}^{-2}.\text{lx}^{-1}$) R _L	Skid Resistance SRT	Day Time Visibility ($\text{mcd. m}^{-2}.\text{lx}^{-1}$) Q _d	Luminance Factor β
(0,01) P0	216 - R4	46 - S1	269 - Q5	0,748 - B5
(0,1) P2	208	42	288	0,693
(0,2) P3	211	40	288	0,748
(0,5) P4	206 - R4	38 - S0	279 - Q5	0,735 - B5
(1,0) P5	199 - R3	39 - S0	282 - Q5	0,724 - B5
(2,0) P6	200 - R4	41 - S0	268 - Q5	0,721 - B5
(4,0) P7	165 - R3	42 - S0	262 - Q5	0,693 - 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

- Puts in to service in 25 kg metal package and also for specific applications, it can be sold IBC package.
- At proper storage conditions, shelf life is 1 year.
- Store at closed areas, and get away from fire sources.



MSDS