



## EXCELLENT

### TECHNICAL DATA SHEET

Date: 15 / 06 / 2023

Admission Number: TDS-EXCELLENT-01

#### PRODUCT

Class	Two-Component Cold Road Marking Paint
Application Mode	Flat
Product Name	EXCELLENT
Product Code	RDC6-9003-25

#### MANUFACTURER

Company	ROADCHEM RESİN BOYA VE MAKİNA LTD. ŞTİ.
Address	Ata Mahallesi Tralles Bulvarı No:6Aj Efeler-AYDIN / TURKIYE
Telephone	+90 256 502 55 09

#### PRODUCT DESCRIPTION

It is a two-component, Methyl Methacrylate-based white road marking paint with excellent reflectivity. It has been formulated to meet the requirements of the TCK General Directorate highways technical specifications, TS EN 1871 and TS EN 1436 standards.

It is a product with very high physical and chemical resistance, which hardens as a result of the chemical reaction that occurs by mixing its components in certain proportions and adheres to the surface it is applied to.

Thanks to its high strength, it maintains its reflective power, color and film thickness under heavy traffic. It is absolutely unaffected by chemicals used against icing on the roads, oil and fuel falling from vehicles. Its lifespan varies between 24 and 48 months, depending on the structure of the road and the traffic density on it.

It is used to make safety and warning markings on the roads, to draw pedestrian crossings and deceleration lines, to draw shapes and write on the road using templates.

#### PRODUCT DESCRIPTION

#### Surface Preparation Information:

Before the application of Excellent, it must be ensured that the surface to be applied is dry, dust-free, free from oil and other dirt. The surface temperature of the road should be above 10 °C. It is recommended to clean the existing paint on the road. However, if the old paint on the surface cannot be easily cleaned, it can be applied on it.

#### Application Information:

Depending on the air temperature, 1% to 2% hardener is mixed with the paint. After obtaining a homogeneous mixture, it is applied to the surface with the help of suitable equipment. Glass beads are poured on it to increase its reflective effect. Even if the glass beads on the surface disappear over time, it maintains its reflective feature thanks to the glass beads in its structure. 30 minutes at the latest after application. The road is opened to traffic.

After the mixture is prepared, wait 10 minutes at the latest. It must be implemented in.

The product is applied smoothly between 2mm and 5mm without the need for any additives.

Please wear suitable protective clothing, gloves and mask as hot liquid is dangerous for operators during application.

<b>Application conditions</b>	10 °C - 40 °C
<b>Max. Humidity</b>	% 80
<b>Drying Time</b>	30 min. (25 °C and % 49 Humidity)

#### PAINT AND GLASS BEADS CONSUMPTION AMOUNT

<b>Film Thickness (mm)</b>	<b>Paint Consumption Amount (g/m<sup>2</sup>)</b>
1	1940
1,5	2910
2	3880
3	5820
5	9700

Note: The values given in the table are theoretical values. Consumption amounts may vary depending on the surface on which the paint will be applied and environmental conditions.

<b>Glass Beads ( TS EN 1423 )</b>	<b>Need</b>
	265 g / m <sup>2</sup>
	<b>Consumption</b>
	350 g / m <sup>2</sup>

## PHYSICAL PROPERTIES

<b>Color</b>	White
<b>Viscosity</b>	13 Daniel Flow Gauge
<b>Density [g / ml ]</b>	1,94 g / ml. ± 0,02
<b>Amount of Solids (By Weight) [%]</b>	89±2
<b>Brightness Factor Class / Value</b>	LF6 / $\beta \geq 0,80$
<b>Antiskid</b>	Class S2 ( SRT $\geq 50$ )

## STORAGE CONDITIONS

Excellent; Two-component road marking paint is offered to users in 25 Kg metal packages.

Under appropriate storage conditions, stock life is at least 1 year.

Store in closed areas, keep away from sources of fire.