



## CRYSTAL WALL

### TECHNICAL DATA SHEET

Date: 20 / 08 / 2024

Admission Number: TDS-CRYSTALWALL-01

#### PRODUCT

Class	One Component Alkyd-Based Cold Road Marking Paint
Application Mode	Air or airless spray, brush, roller
Product Name	CRYSTAL WALL
Product Code	RDC-9016-25

#### 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

One component, alkyd resin based, reflective, column and border paint with excellent adhesion. Formulated to fulfill the requirements of TS EN 1871 and TS EN 1436 standards.

Application in one passage with autotracted machine. The product is covered with drop on glass beads. With its high resistance, can keep its reflecting power, color, film thickness for a long time. UV and chemical resistance are very high. Because of fast dry and hardening, application area can open to traffic in 20 minutes. It can be used for marking roads, airports, parking lots and all types of areas.

ROADCHEM RESİN BOYA VE MAKİNA LTD. ŞTİ.

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## PRODUCT DESCRIPTION

### Surface Preparation Information:

Before the application of Crystal Wall, the area should be dry and away from dust, grease, and other dirt. Road surface temperature should be higher than 5 °C. The existed old paint should be cleaned, but if it isn't easy, application can be done on it.

### Application Information:

With automatic application equipment, 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.

Diluted with its own thinner: Cellulosic Thinner

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

<b>Application conditions</b>	5 °C - 40 °C
<b>Max. Humidity</b>	% 80
<b>Drying Time</b>	45 min (25° C and 49% Humidity)

## PAINT AND GLASS BEADS CONSUMPTION AMOUNT

Wet Film Thickness [ $\mu$ ]	Dry Film Thickness [ $\mu$ ]	Consumption [ $m^2/lt$ ]	Consumption [ $kg/m^2$ ]
140	80	7,13	0,23
175	100	5,70	0,29
263	150	3,80	0,43
307	175	3,26	0,51
500	285	2,00	0,83
525	300	1,90	0,87

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.

Glass Beads (TS EN 1423)	Need	265 g / $m^2$
	Consumption	300 g / $m^2$

## PHYSICAL & CHEMICAL PROPERTIES

Color	All RAL Colors
Viscosity [KU]	80-95 KU
Density [g / ml ]	1,70 ± 0,02 gr / ml.
Amount of Solids (By Weight) [%]	75 ± 2
Amount of Solids (By Volume) [%]	58 ± 2
Luminance Factor Class / Value	White: LF7 / $\beta \geq 0,85$ Yellow: LF2 / $\beta \geq 0,50$
Flash Point	$\leq 21^{\circ}\text{C}$
Luminance Factor Class/Value after UV aging	UV1 / $\Delta\beta \leq 0,05$
Vomit Resistance Class / Value	BR1 / $\Delta\beta \leq 0,03$

## STORAGE CONDITIONS

Crystal-Wall Road Marking Paint is put in to service in 25 kg metal package. And also, for specific applications, it can be sold in 1000 kg IBC package. At proper storage conditions, useful life is min. 1 year. Store at closed areas, and get away from fire sources.