



TOP WAY Waterbased Road Marking Paint

TOP WAY water-based road marking paint belongs to water-based fast drying road marking paint. It is completely up to the actual VOC code, and the standard of «water emulsion traffic and airport road marking paint» which is prepared by the USA, further more, it passed the detection of traffic department traffic engineer inspecting center in 2003.3. This paint has good environmental, fast drying, good adhesion of glass bead and all kinds of road surface, long using life, fine light reflection effect, easy to re-spraying and so on. It can be used on express highway, city road, airport, parking lots, playground, etc. It stands for the developmental direction of long efficient, environmental, economical road marking. It is the newest replaced product for solvent and hot-melt coating.

Composition

Acrylic emulsion, pigment, additive agent, etc.

Features

1. Environmental
TOP WAY Waterborne road marking paint doesn't have dangerous solvent and is non-inflammability, non-toxic, so it can reduce the pollution to environment during the course of product and application.
2. Good adhesion to glass bead
Using glass beads as retro-reflectivity coating, so the time when the value of retro-reflectivity >80 mcd/xm² is much longer than actual hot- melt coating.
3. Abrasion resistance
According to the special method of application, spray the glass beads on the surface of the coating to form a system, which depends on glass beads to hold, so it has good abrasion resistance. However, the glass beads on he surface of solvent and hot-melt coating are easy to crack off.
4. Fast drying
We adopt a special formula to increase the drying speed, reduce the time of closing up the traffic compare with actual water-based road marking paint.
5. High solid
The solid of coating is not lower than 75%, the thickness of every film is 225~750um.
6. Good ability of re-spraying
It can de directly sprayed on the old film of water-based or other types road marking paint, so it improves the efficiency of re-spraying.



Request to application

1. Weather condition

The temperature is up to 5°C, best exceed 20°C.

The relative humidity is below to 80%, best below to 50%.

No rain in 24 hour after application.

2. Surface disposal

When spray on the asphalt, concrete road, make sure that the road surface is well dry and has no powering, efflorescent etc. loose substance. If there is oil, mud, algae, fungoid etc. on the road, you must remove them. You need to deal with the smooth layer on the surface on new concrete road.

3. Application of primer

Please use special primer after dealing with the road.

The primer belongs to water-based two-component coating, so you must mix with ratio and stir completely before using.

Spraying thickness: 50~100 um

Attention: make sure that the primer is full dry, and then spray the top coating.

4. Application of top coating

Completely stirring before using

Sprayed with low pressure or high pressure machine having bead dispenser

The thickness of wet film: 400~800 um

The thickness of dry film: 300~600 um

Spraying area: 0.66~1.33 kg/m²

Choice of glass bead

The thickness of wet film is 400~600 um, please select 30~100 mum glass bead without cladding

The thickness of wet film is more than 600 um, please select 20~80 mum glass bead without Cladding



Technical parameter

Color	white, yellow, (black use for repairing)
Condition in container	not have caking and skinning, easy to stir
Density	$\geq 1.68 \text{ g/cm}^3$
Viscosity	$\geq 80 \text{ KU}$
Solid (by weight)	$\geq 75\%$
VOC	$< 150 \text{ mg/l}$
The value of PH	7~8
Tack-free time	10 min
Hiding power value	≥ 0.97
Value of abrasion resistance	$\leq 40 \text{ mg}$
Water resistance	no abnormal phenomena when dip in water for 24h
Early water resistance	passed
Chemical resistance	good resistance to acid and base
Freeze-thaw stability	passed
Weather resistance	terribly strong
Reflectivity	298

Remarks:

1. Please put the production in cool and dry place, far away from fire.
2. Avoid of touch with eye, skin, if touched carelessly, please wash with water immediately and see the doctor.
3. Storage time is 6 months