

TRAFFIKOTE TFK-108 WB

Line Marking Paint

No. TD : T-051
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PRODUCT DESCRIPTION

TRAFFIKOTE TFK-108 WB is an acrylic waterborne technology, a lead free, high hiding and also water reducible marking paint. This product is a conventional dry (non heated application) water based paint intended for marking interior and exterior curbing and lines on driveways, sidewalks, runways, factory floors, parking lots, playgrounds and other areas where line markings are required. Can be applied on asphalt and concrete substrates.

ADVANTAGES

- Fast drying
- High visibility
- Abrasion resistance
- Good adhesion
- Easy to apply
- Weather resistance
- Glass beads can be added for making reflective markings

TECHNICAL DATA

Type	:	Acrylic waterborne
Color	:	As shown in colour card
Finish look	:	Dof
Solid by volume	:	60 %
Specific gravity	:	1.5 gr/cc
Material consumption	:	0.5 kg / m ² for 200 microns DFT
Recommended spread rate per coat	:	350 microns WFT
(without glassbead)	:	200 microns DFT 2 m ² /kg (200 microns DFT) 20 m ² /kg (10 cm line width at 200 microns DFT)
(with glassbead)	:	500 - 700 microns WFT 300 - 400 microns DFT 1 m ² /kg (400 microns DFT) 10 m ² /kg (10 cm line width at 400 microns DFT)
Coverage and material consumption depend on substrate profile and porosity and application method		
Drying time	:	
(300 microns WFT at 30°C/60 – 70% RH)	:	
- Surface dry	:	30 minutes
- Hard dry	:	120 minutes
- Open traffic	:	12 hours
Drying time is temperature, humidity and film thickness dependent		
Packaging	:	1 kg, 2.5 kg, 20 kg
Storage stability	:	One years if stored cool and dry in original packaging
Thinner/ clean up	:	Clean water

Application method	:	Pressure : 1800 – 2700 psi
- Airless spray	:	Tip : 0.015" – 0.023"
	:	Thinning : if needed, maximum 5 % by weight
- Brush	:	Nylon/polyester
	:	Thinning : if needed, maximum 10 by weight
- Roll	:	3/8" nap, woven with solvent resistance
	:	Thinning : if needed, maximum 10 by weight
Application temperature	:	25 – 35°C
Application Humidity	:	Maximum 80 % RH
Re-coating interval	:	Minimum 1 hours (30°C) or when the previous coat already dry
Cleaning	:	Use water to clean immediately after use

TEST PERFORMANCE DATA

Abrasion resistance (ASTM D4060)	:	Lose < 25 mgr, CS 17, 1000 cycles
Adhesion (ASTM D4541)	:	> 1.5 N/mm ² (concrete failure)

FILM THICKNESS AND APPLICATION OF GLASS BEADS

The required paint dry film thickness is determined by the size of the glass beads being applied to the marking. It is important that the specified film thickness is achieved in order to maximized the bead retention and wearing properties of marking.

Maximum reflectivity of individual glass beads occurs when the optimum degree of embedment is achieved. This occurs when 60 % of the bead is below the surface of the pavement marking. Glass beads must be applied immediately to wet paint to create reflective marking. Glass beads conforms to the requirements of BS-6088 or TTB-1325 is recommended to achieved the highest reflectivity and durability. Use gravity flow equipment to dispense or glass beads can be hand broadcast at rate of 0.3 – 0.5 kg per kg of paint (0.3 – 0.4 kg/m²). Do not mix beads directly into paint.

INSTRUCTION FOR USE

Step	Treatment
Surface Preparation	<p>Ensure the surfaces are dry, sound and free from dust, dirt, grease, oil and all contaminants before painting. Remove all loosen material or paint residue through brushing and scraping using fibre brush.</p> <p>New surfaces : ensure that asphalt and concrete substrate have cured for a minimum of 1 month.</p> <p>Previously painted surfaces : remove loose and flacking paint back to sound substrate. Remove dirt, oil, grease and all contaminants.</p>
Application	<p>Provide adequate ventilation during application and drying. Stir before use. Use a low speed mixer for at least 2 minutes until the mixture is homogeneous. Apply TRAFFIKOTE TFK-108 WB as soon as the packaging is opened. Protect areas from traffic, rain, dust or other organism which may wreck the coating. Applied in 1 – 2 coatings.</p>

Maintenance after application

Sweep or vacuum the surface and then mop using water or non reactive cleaning agent. Avoid cleaning agent that contain : acid, peroxide, hypochloride

SAFETY PRECAUTIONS

TRAFFIKOTE TFK-108 WB is non toxic and non flammable and does not contain heavy metals in its materials such as lead. Avoid contact with skin and eyes. Do not inhaled. Wear suitable protective equipment such as googles, dust mask and gloves. For more information refer to material safety data sheet.

First Aid

- Skin contact : Wash with soap and water. If irritation occurs, seek medical advice
- Eye contact : Rinse immediately with plenty of water. Seek medical advice if irritation persists.
- Inhalation : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep patient rested and help using breathing apparatus.

Disclaimer :

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