

Technical Data Sheet

Number : TF-002 01

Effective Date : 01/01/2020

TraffikOTE
LINE MARKING PAINT

TFK-108 WB



PRODUCT DESCRIPTION

TRAFFIKOTE TFK-108 WB is an acrylic waterbased 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.

FIELDS OF APPLICATION

- Parking lots
- Warehouse floors
- Playgrounds
- Sidewalks
- Shopping centres
- Others area where line markings are required

ADVANTAGES

- Waterbased, odorless and environmentally friendly
- Fast drying and good adhesion
- High visibility
- Abrasion resistance
- Easy to apply
- Glassbead can be added for making reflective markings

TECHNICAL DATA

Type	: Water based acrylic
Color	: As shown in colour card
Finish	: Low sheen (dof)
Specific Gravity	: $\pm 1.50\text{gr/ml}$
Solid by Volume	: $\pm 60\%$
Material Consumption	: 0.50 kg/m^2 for ± 200 microns DFT
Recommended Spread	: 200 microns DFT
Rate per Coat	
(without glass beads)	: $2 \text{ m}^2/\text{kg}$ (± 200 microns DFT) or $20 \text{ m}^2/\text{kg}$ (10 cm line width)
(with glass beads)	: $1 \text{ m}^2/\text{kg}$ (± 400 microns DFT) or $10 \text{ m}^2/\text{kg}$ (10 cm line width)
Drying Time (30°C)	:
- Surface Dry	: 60 minutes
- Hard Dry	: 2 hours
- Full Cure	: 12 hours
- Open Traffic	: 24 hours for vehicular traffic
Packaging	: 1 and 2.5 and 20 kg
Storage Stability	: One year in cool and dry storage and in original not opened box
Thinning Ratio by Weight	: 20 - 25% of clean water
Application Method	: Airless spray
Re-coating Interval (30°C)	: 2 hour or when the first coat already dry
Application Temperature	: 25 - 35°C
Humidity Maximum	: 80 % RH
Provide adequate ventilation during application and drying	



TEST PERFORMANCE DATA

Item	: Result	Standard Test
Bonding Strength	: > 1.2 N/mm ² concrete failure	ASTM D-4541
Abrasion Resistant	: < 100mg loss/m ²	ASTM D-4060

INSTRUCTION FOR USE**Surface Preparation**

Surface must be clean, dry, sound and free from all contaminants. Remove all loosen material or paint residue through brushing and scraping using fibre brush or clean the surface using high pressure air. Treat any areas affected by biological organism like algae, moss or lichen with PROPAN FUNGICIDAL WASH. Repair defect with suitable materials. Substrate must be clean and dry before apply. If the substrate is porous, apply Tennokote Sealer TNK-1020.

Application Procedure

Function	Product and Tools	Coating amount	Curing Time
Finish Coat	: Stir before use. Use a low speed mixer for at least 1 minute until the homogeneous. Apply Traffikote TFK-108 WB using airless spray, add ±20% of clean water before apply. Protect areas from traffic, rain, dust or other organism which may wreck the coating. Area can be used in 3 days.	2 kg /m ² /200 mic (without glass beads)	± 24 hrs (30°C)

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. Glass beads must be applied immediately to wet paint to create reflective marking. Glass beads ± 0.50 mm in diameter applied at wet film thickness of 700 microns (400 microns DFT) is recommended to achieved the highest durability. Use gravity flow equipment to dispense or glass beads can be hand broadcast at rate of 0.3 – 0.6 kg per kg of paint. Do not mix beads directly into paint.

Can be applied by roll or brush for non project specification (retail user). Three coat for total thickness 200 mic DFT.

RECOMMENDED COATING SYSTEM

Preceding coats : Tennokote Sealer TNK-1020 WA
Subsequent coats : -

CLEANING

TRAFFIKOTE TFK-108 WB should be removed from tools and equipments with clean water. Hardened material can be removed mechanically only.

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 (available upon request).

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.

