

Technical Data Sheet
Number :
Effective Date : 01/01/2020

TraffikOTE TFK-116 MMA



COLD PLASTIC PAINT

PRODUCT DESCRIPTION

TRAFFIKOTE TFK-116 MMA is (methyl methacrylate) is two component cold plastic road marking paint. Specifically designed to deliver a fast curing and highly durable marking paint solution. Its durability making it an ideal option for application in high traffic wear areas such as intersections, roundabouts, junctions and general heavy traffic roads. MMA cold plastic road marking paint is more durable and longer lasting than traditional thermoplastic marking paint.

FIELDS OF APPLICATION

- Line marking (road, highways, car park area, airport area, etc)
- Zone marking (bicycle track, walkway, etc)
- Drop off area
- Zebra crossing
- Signage

ADVANTAGES

- Fast curing, can be use and exposed on 3 hour after application
- Excellent adhesion on concrete and asphalt
- Excellent abrasion resistant
- Highly durable

TECHNICAL DATA

Type	: Two components methacrylate
Color	: As shown in the color card
Finish	: Low sheen (dof)
Solid by Volume (mixture)	: $\pm 93\%$
Specific Gravity (mixture)	: $\pm 1.54 \text{ gr/cc}$
Material Consumption	: 2.0 kg-set/m^2 for ± 1000 microns DFT
Mixing Ratio (by weight)	: A : B = 100 : 1
Drying Time (30°C)	:
- Surface Dry	: 20 minutes
- Hard Dry	: 1 hour
- Full Cure	: 3 hour
- Open Traffic	: 1 hour for foot traffic and 3 hours for vehicular traffic
Packaging	: 5 and 20 kg-set
Storage Stability	: One year in cool and dry storage and in original not opened box.
Mixing Ratio by Weight	: Comp A : B = 100 : 1 w/w
Pot life (30°C)	: 30 minutes
Application Method	: rubber squeegee and paint roller
Re-coating Interval (30°C)	: 1 hour until 7 days
Application Temperature	: 25 - 35°C
Bonding Strength	: $> 2.5 \text{ N/mm}^2$ (concrete failure) by ASTM D-4541
Humidity Maximum	: 80 % RH
Provide adequate ventilation during application and drying	



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.

Application Procedure

Function	Product and Tools	Coating amount	Curing Time
Coat	: Mix component A Traffikote TFK-116 MMA in low speed mixer. Pour component B to component A while stirring and mix well \pm 2 minutes. Mixing ratio component A : B = 100 : 1 by weigh. Apply the mixed material using rubber squeegee and spread using epoxy roll. Area can be used in 1 hour for foot traffic and 3 hours for vehicular traffic.	2 kg-set/m ² /mm	\pm 1 hour (30°C)

RECOMMENDED COATING SYSTEM

Preceding coats : -
Subsequent coats : -

CLEANING

TRAFFIKOTE TFK-116 MMA should be removed from tools and equipments with Propan Epoxy Thinner. Hardened material can be removed mechanically only.

SAFETY PRECAUTIONS

TRAFFIKOTE TFK-116 MMA is flammable but does not contain heavy metals in its materials such as lead. Avoid Contact with skin and eyes. Do not inhale. Wear suitable protective equipment such as goggles, dust mask and gloves. Do not smoke near this product and use only explosion proof equipment.

First Aid

Skin contact : Rinse under plenty of water immediately. Seek medical advice if irritation persists.
Eye contact : Wash off under plenty of water immediately. Seek medical advice if irritation persists
Inhalation : Take the person out to get more fresh air, loosen collar and avoid exertion. Keep him rested and help using breathing apparatus.

