

MAPECOAT TNS LINE

Acrylic resin-based paint in water dispersion for marking out indoor and outdoor sports courts and pitches



WHERE TO USE

Marking out courts and pitches on indoor and outdoor multi-sport playing fields.

Some application examples

Painting lines on playing fields to mark out tennis courts, basketball courts, handball courts or five-a-side football pitches.

TECHNICAL CHARACTERISTICS

Mapecoat TNS Line is a paint for outdoor surfaces composed of a balanced mix of acrylic resins in water dispersion and selected fillers.

Thanks to the high quality pigments used to formulate the product, **Mapecoat TNS Line** has excellent covering properties and is extremely durable.

Mapecoat TNS Line has excellent resistance to abrasion and surfaces painted with this product are extremely durable, even when used frequently.

Mapecoat TNS Line offers excellent resistance to all types of climatic conditions, aggression from smog and sunlight.

Mapecoat TNS Line may be applied on both old surfaces which are already painted and on new surfaces which require painting.

Mapecoat TNS Line is available in 20 standard colours and in a wide range of other colours upon request.

RECOMMENDATIONS

- Do not dilute **Mapecoat TNS Line** with solvents.
- Do not apply **Mapecoat TNS Line** directly on dusty, crumbly or incoherent surfaces.
- Do not apply **Mapecoat TNS Line** on substrates polluted with oil, grease or dirt in general.
- Do not apply **Mapecoat TNS Line** on surfaces subjected to heavy traffic.

APPLICATION PROCEDURE

Substrate preparation

Apply **Mapecoat TNS Line** directly over dry **Mapecoat TNS Finish**, **Mapecoat TNS Color** or **Mapecoat TNS Urban**.

Mapecoat TNS Line may only be applied over other finishing products after carefully checking the state of the old layer and after carrying out preliminary tests to verify that it is compatible and that a good bond is formed between the old coating and **Mapecoat TNS Line**.

Preparation of the product

Dilute **Mapecoat TNS Line** with approximately 10-15% water.

Mix the product well before use. Where possible, use a drill at low speed to prevent entrapment of air into the product.

Application of the product

Apply **Mapecoat TNS Line** by brush, roller or spray.

We recommend applying the product by brush to get a more even distribution of the product and a better line.

The painting cycle comprises the application of at least 2 coats of **Mapecoat TNS Line**. Wait 12-24 hours between each coat in normal temperature and humidity conditions.

Protect freshly-painted surfaces from rain. If **Mapecoat TNS Line** comes into contact with water before it is completely dry, it may not adhere correctly and the final finish may not be acceptable.

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

Do not apply **Mapecoat TNS Line** if it is about to rain or in windy weather.

Do not apply **Mapecoat TNS Line** on damp or wet surfaces otherwise it may not adhere correctly.

Do not apply if the temperature is lower than +10°C or higher than +35°C.

Do not apply if the level of humidity is higher than 85%.

CLEANING

Clean tools used to apply **Mapecoat TNS Line** with water before the product dries.

CONSUMPTION

0.2-0.4 kg/m² (for two coats of finish).

PACKAGING

Mapecoat TNS Line is supplied in 5 kg plastic drums.

STORAGE

24 months if stored in a dry place away from sources of heat at a temperature of between +5°C and +30°C. Protect from freezing weather.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecoat TNS Line is not considered hazardous according to current norms and guidelines regarding the classification of mixtures. However, we recommend taking the usual precautions for handling chemical products. If the product is applied in closed environments, make sure the area is well ventilated.

For further and complete information about the safe use of our product please refer to our latest version of the Material Safety Data Sheet.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)
PRODUCT IDENTITY
DESCRIPTION
Acrylic resin-based paint in water dispersion for marking out indoor and outdoor sports courts and pitches
WHERE TO USE
Painting lines on playing surfaces to mark out tennis courts, basketball courts, handball courts or five-a-side football pitches
CHARACTERISTICS

Appearance:	pasty liquid
Dry solids content (%):	approx. 65
Density (g/cm ³):	approx. 1.40
Viscosity of product (mPa·s):	22,000 ± 1,000
Damp abrasion DIN 53778 (cycles):	> 10,000
Taber abrasion test after 7 days at +23°C - 50% R.H. - CS17 disk, weight 1000 g; loss in weight after 500 revs. (g):	< 0.3
Change in colour after 1,000 hours exposure to a Weather-Ometer (according to ASTM G 155 cycle 1) – white: – yellow:	$\Delta E < 0.5$ $\Delta E < 1.0$
Capillary action water absorption coefficient W ₂₄ [kg/(m ² h ^{0.5})] (UNI EN 1062/3):	0.07
PREPARATION	
Dilute Mapecoat TNS Line with approximately 10-15% water. Mix the product well before use. Where possible, use a drill at low speed to prevent entrapment air into the product	
DRYING:	air
Waiting time before painting over:	12-24 hours under normal conditions of temperature and humidity

WARNING

Although the technical details and recommendations contained in this product data sheet correspond to the best of our knowledge and experience, all the above information must, in every case, be taken as merely indicative and subject to confirmation after long-term practical application; for this reason, anyone who intends to use the product must ensure beforehand that it is suitable for the envisaged application. In every case, the user alone is fully responsible for any consequences deriving from the use of the product.

Please refer to the current version of the Technical Data Sheet, available from our website www.mapei.com

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