

MAPECOAT TNS LINE TEX

Acrylic resin-based top coating in water dispersion for marking lines on indoor and outdoor sports surfaces

DESCRIPTION

Mapecoat TNS Line Tex is a coloured acrylic top coating in water dispersion with selected fillers specifically formulated in the Mapei Research & Development laboratories for marking out courts and pitches on sports surfaces.

WHERE TO USE

- Marking out sports surfaces coated with **Mapecoat TNS**, particularly tennis courts.
- Marking out surfaces with no coating, such as bitumen conglomerate and concrete. Before applying the product on concrete, treat the surface with **Mapecoat TNS Primer EPW**.

TECHNICAL CHARACTERISTICS

Mapecoat TNS Line Tex is a topcoating product for indoor and outdoor surfaces made from a balanced mix of acrylic resin in water dispersion and selected fillers. Thanks to its special formulation, **Mapecoat TNS Line Tex** leads to even performance characteristics of surfaces and ensures balls have a regular bounce, a property developed specifically for tennis discipline.

Thanks to the high quality pigments used to formulate the product, **Mapecoat TNS Line Tex** has excellent covering properties and is extremely durable. Its high resistance to abrasion helps maintain the durability of surfaces, including those used frequently. **Mapecoat TNS Line Tex** is also resistant to severe weather conditions and aggression caused by smog and exposure to direct sunlight.

Mapecoat TNS Line Tex may be applied over both old lines on existing playing surfaces and on new sports surfaces made from **Mapecoat TNS**. **Mapecoat TNS Line Tex** may also be applied directly on the surface of bitumen conglomerate and concrete after treating them with **Mapecoat TNS Primer EPW**.

RECOMMENDATIONS

Mapecoat TNS Line Tex may be applied directly over old resin coatings. In such cases, the condition of the old finish needs to be checked beforehand, such as bond strength, as well as its compatibility with **Mapecoat TNS Line Tex** by testing it on a small area. Check compatibility beforehand by testing it on a small area only. If tests show the old finish is suitable for recoating, the surface must be prepared accordingly by washing it with a degreasing product followed by a light sanding to make the application surface as rough as possible before applying **Mapecoat TNS Line Tex**. It is recommended to contact the Sports System Technology Division to check and discuss the most appropriate way of using

Mapecoat TNS Line Tex, according to local application conditions and type of substrate.

- Do not dilute **Mapecoat TNS Line Tex** with solvent.
- Do not apply **Mapecoat TNS Line Tex** directly on dusty, crumbling or weak surfaces.
- Do not apply **Mapecoat TNS Line Tex** on dirty substrates or on substrates with oil or grease stains.
- Do not apply **Mapecoat TNS Line Tex** on surfaces used by heavy machinery or vehicles.

APPLICATION PROCEDURE

Substrate preparation

Apply **Mapecoat TNS Line Tex** directly on **Mapecoat TNS** finish once completely dry. Application over other finishing products may only be carried out after carefully checking the state of the existing layer and after carrying out preliminary tests to check both its compatibility and that it forms a good bond with **Mapecoat TNS Line Tex**. Before applying the product on cementitious substrates, treat the surface with a coat of **Mapecoat TNS Primer EPW** diluted 1:0.5 with clean water. This type of treatment must always be carried out if the substrate is made from unfamiliar material and you are unsure of its properties and characteristics. **Mapecoat TNS Line Tex** may be applied directly on new bitumen conglomerate (after minimum 15 days curing/oxidation) without the need for primer.

Preparation of the product

Mapecoat TNS Line Tex may be applied as is or diluted with up to 5-15% maximum of water, depending on surrounding weather conditions at the time of application. Mix the product well before use.

Application of the product

Apply **Mapecoat TNS Line Tex** with a brush, roller or by spray. It is preferable to use a roller to get more even distribution of the product, better cover and well-defined lines.

The complete cycle comprises the application of 1 or 2 coats of **Mapecoat TNS Line Tex**, depending on the dilution rate and the level of cover required; wait 12-24 hours between each coat under normal conditions. To create an even neater line, it is recommended to apply **Mapecoat TNS Line Seal** beforehand, which is specially formulated for such purposes. As soon as the surfaces have been coated, protect them from rain to prevent **Mapecoat TNS Line Tex** coming into contact with water during its initial drying phase, otherwise adhesion and the overall quality of the work may be affected.

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

- Do not apply **Mapecoat TNS Line Tex** if it is about to rain or in windy weather.
- Do not apply **Mapecoat TNS Line Tex** on damp or wet surfaces; adhesion could be affected.
- Do not apply if the temperature is lower than +10°C or higher than +35°C.
- Do not apply if the temperature of the substrate is higher than +50°C.
- Do not apply if the level of humidity is higher than 85%.

Cleaning

Clean tools used to apply the product with water. Once dry, **Mapecoat TNS Line Tex** may only be removed using mechanical means. Clean all tools and equipment thoroughly immediately after applying the product, particularly spray pumps.

CONSUMPTION

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

PACKAGING

Mapecoat TNS Line Tex is supplied in 5 kg plastic tubs.

Mapecoat TNS Line Tex is available in white and or in a variety of colours to suit individual requirements using the **ColorMap** automatic colouring system.

STORAGE

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Instructions for the safe use of our products can be found on the latest version of the Safety Data Sheet, available from our website www.mapei.com.

PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY	
DESCRIPTION	
Acrylic resin-based topcoating in water dispersion for marking out indoor and outdoor sports surfaces	
CHARACTERISTICS	
Consistency:	thick liquid
Dry solids content (%):	approx. 69
Density (g/cm ³):	approx. 1.49
Wet 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):	< 0.2
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
DRYING:	by air
Recoat time:	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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another project-related document, but the resulting document shall not supplement or replace requirements per the TDS in force at the time of the MAPEI product installation.

The most up-to-date TDS can be downloaded from our website www.mapei.com.

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