

MAPECOAT TNS LINE

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



DESCRIPTION

Mapecoat TNS Line is a coloured acrylic finish in water dispersion with selected fillers, specially formulated in the Research & Development laboratories, for marking the playing lines of sports surfaces.

WHERE TO USE

- Painting of the game lines delimiting the pitches on the floor made with **Mapecoat TNS** systems.
- Marking the playing areas also on uncoated paving, directly on bituminous conglomerate or on concrete, in the latter case after applying **Mapecoat TNS Primer EPW**.
- Painting small areas for covering pedestrian areas directly on bituminous conglomerate or concrete, in the latter case after applying **Mapecoat TNS Primer EPW**.

TECHNICAL CHARACTERISTICS

Mapecoat TNS Line is a paint for indoor and 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. Its excellent resistance to abrasion and surfaces improves the durability of surfaces, 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 to both existing and new surfaces made with **Mapecoat TNS** sports flooring systems.

RECOMMENDATIONS

It is possible to apply **Mapecoat TNS Line** directly over existing coatings: in this case, the condition of the old finish, such as adhesion, must be assessed beforehand, as well as the compatibility of the old finish with **Mapecoat TNS Line**. In this case, it is advisable to carry out a localised test beforehand. In the overcoating is possible, We recommend contacting our technical service Sports System Technology in order to check and, if necessary, agree on the correct use of **Mapecoat TNS Line** depending on the local application conditions and the type of substrate.

- 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

Preparation of the substrate

Mapecoat TNS Line is applied directly on completely dry **Mapecoat TNS** finishes. The use on other types of finishes is only possible after careful evaluation of the state of wear of the existing paintwork and a preliminary test to check its compatibility and good adhesion with **Mapecoat TNS Line** is recommended. If applying on cementitious substrates, **Mapecoat TNS Primer EPW** diluted 1:0.5 with clean water must be applied beforehand; this procedure must be carried out whenever the substrate is not one of the ordinary substrates and its technical characteristics are unknown. **Mapecoat TNS Line** may be applied directly on new bituminous conglomerates, avoiding the use of primers.

Preparation of the product

Mapecoat TNS Line may be applied as it is or diluted with between 5-15% maximum of water, to be evaluated depending on the environmental climatic conditions when using the product. Mix the product thoroughly before use.

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 and improve coverage.

The painting cycle comprises the application of 1 or 2 coats of **Mapecoat TNS Line** depending on the dilution and the desired coverage effect. Wait 12–24 hours between each coat in normal temperature and humidity conditions. In order to further improve line sealing, we recommend the prior application of **Mapecoat TNS Line Seal** specially formulated for this purpose.

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%.
- Do not apply at substrate temperatures above +50°C.

CLEANING

Tools used to apply the product may be washed with water. After drying, **Mapecoat TNS Line** must be removed mechanically. It is therefore recommended that tools, especially spray pumps, be thoroughly cleaned immediately after the application of the product.

CONSUMPTION

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

PACKAGING

Mapecoat TNS Line is supplied in 5 kg plastic drums. Mapecoat TNS Line is available in white; with the ColorMap tinting system, you can meet colour requirements on request.

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

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 paint in water dispersion for marking out indoor and outdoor sports courts and 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
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

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.

ANY ALTERATION TO THE WORDING OR REQUIREMENTS CONTAINED OR DERIVED FROM THIS TDS EXCLUDES THE RESPONSIBILITY OF MAPEI.

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