



Mapecoat TNS Paint

Coloured paint with a smooth finish made from acrylic resin in water dispersion, for indoor and outdoor tennis courts in porous cement, asphalt or concrete, multi-purpose playing fields, pedestrian areas and cycle tracks

WHERE TO USE

Paint for indoor and outdoor tennis courts, multi-purpose playing surfaces, pedestrian areas and footpaths.

Some application examples

- Maintenance and painting operations on new or old, worn surfaces, such as tennis courts, multi-purpose playing fields, pedestrian areas and cycle tracks previously coated with **Mapecoat TNS Finish**, **Mapecoat TNS Color** or **Mapecoat TNS Urban**.
- Maintenance operations on coated porous cement surfaces.
- Maintenance operations on internal and external surfaces previously coated with synthetic resins.

TECHNICAL CHARACTERISTICS

Mapecoat TNS Paint is a paint composed of a balanced mix of acrylic resins in water dispersion, additives and selected fillers.

When **Mapecoat TNS Paint** is applied over **Mapecoat TNS Finish**, **Mapecoat TNS Color** or **Mapecoat TNS Urban**, it forms a synergistic cycle which guarantees excellent surface protection and higher durability.

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

Mapecoat TNS Paint has excellent resistance to abrasion and guarantees the durability of surfaces, even when used frequently.

Mapecoat TNS Paint is resistant to all types of climatic conditions, aggression from smog and sunlight and offers hard-wearing, durable protection for substrates.

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

RECOMMENDATIONS

- Do not dilute **Mapecoat TNS Paint** with solvents.
- Do not apply **Mapecoat TNS Paint** directly on dusty, crumbling or inconsistent surfaces.
- Do not apply **Mapecoat TNS Paint** on substrates polluted with oil, grease or dirt in general.
- Do not apply **Mapecoat TNS Paint** on surfaces used by heavy-goods vehicles.
- **Mapecoat TNS Paint** must not be applied directly on substrates subject to water under pressure. In such cases, the surface must be treated with an appropriate product, and only after applying such a product should the possibility of using **Mapecoat TNS Paint** be assessed.
- **Mapecoat TNS Paint** may only be applied on top of other finishing products after carefully checking the state of the old layer, and after carrying out preliminary tests to verify that they are compatible and that there is good adherence between the old paint and **Mapecoat TNS Paint**.

TECHNICAL DATA (typical values)	
PRODUCT IDENTITY	
Appearance:	thick liquid
Dry solids content (%):	approx. 63
Density (g/cm ³):	approx. 1.36
Viscosity of product (mPa-s):	approx. 19,000
Damp abrasion DIN 53778 (cycles):	> 15,000
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
Failure load DIN 53504 after 7 days at 23°C (N/mm ²):	1.0
Elongation at failure DIN 53504 after 7 days at 23°C (%):	340
Change in colour after 1,000 hours exposure to a Weather-Ometer (according to ASTM G 155 cycle 1): - blue: - green: - sky blue: - red: - white:	 ΔE < 0.8 ΔE < 0.5 ΔE < 0.5 ΔE < 0.5 ΔE < 0.5
Vapour diffusion resistance coefficient (μ) (UNI EN ISO 7783-2):	2600
Resistance to the passage of vapour of a 0.15 mm thick dry layer S _p (m) (UNI EN ISO 7783-2):	0.39
Capillary action water absorption coefficient W ₂₄ [(kg/(m ² ·h ^{0.5}))] (UNI EN 1062-3):	0.05

APPLICATION PROCEDURE

Preparation of concrete substrates

Concrete surfaces to be treated with this product must be clean, free of loose parts and as flat as possible or with a maximum slope of 1.5%. The substrate must be sufficiently strong for the loads to which the surface will be subjected when in service. Any cracks must be repaired by filling them with **Eporip**, while any deteriorated areas of the concrete must be repaired with a cementitious mortar from the **Mapegrout** range or with **Planitop Smooth & Repair**. Before applying **Mapecoat TNS Paint**, remove all traces of dust from the surface with a vacuum cleaner. Before applying the product on concrete, apply 1 coat of **Mapecoat I 600 W** primer diluted at a ratio of 1:1 with clean water. If the product is applied on surfaces previously coated with synthetic resins or on

an unknown type of coating, test a small area of the surface for adhesion and paintability by applying a coat of **Mapecoat I 600 W** primer diluted at a ratio of 1:1 with clean water and, after 4-6 hours, two coats of **Mapecoat TNS Paint**.

Preparation of the product

Dilute **Mapecoat TNS Paint** with approximately 10-15% of water. Mix the product thoroughly 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 Paint** with a rubber trowel, a roller or by spray. The cycle comprises the application of at least 2 coats of **Mapecoat TNS Paint**. Wait 12-24 hours between each coat in normal temperature and humidity conditions.

When applying the product on uneven surfaces or on top of particularly bright colours (lemon yellow, bright red, orange, etc.) which are difficult to cover perfectly, we recommend the following application procedure:

- apply 1 or 2 coats of white **Mapecoat TNS Paint**. The number of coats required depends on the colour of the surface on which the product is applied and/or the degree of cover required;
- apply 2 or 3 coats of **Mapecoat TNS Paint** in the colour selected. In this case, the number of coats depends on the intensity of colour required (the colour is brighter if more coats are applied) and the covering capacity of each colour.

Provide adequate protection for surfaces freshly painted with **Mapecoat TNS Paint** before it has completely dried to prevent rain coming into contact with the product and compromising adhesion and final quality.

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

Do not apply **Mapecoat TNS Paint** if it is about to rain or in windy weather.
Do not apply **Mapecoat TNS Paint** on damp or wet surfaces, adhesion could be compromised.
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 Paint** with water before the product dries.

CONSUMPTION

Consumption is heavily influenced by the roughness of the substrate and the application method used. Consumption is approximately 0.4-0.6 kg/m² for application on even substrates with a rubber trowel (for two/three coats of finish).

PACKAGING

Mapecoat TNS Paint is supplied in 20 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 Paint 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.

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

**All relevant references
for the product are available
upon request and from
www.mapei.com**



**Mapecoat TNS
Paint**



BUILDING THE FUTURE

579-10-2012

Any reproduction of texts, photos and illustrations published here is prohibited and subject to prosecution

(GB) A.G. BETA