



Mapecoat TNS Grey Base Coat

Semi-flexible, acrylic resin-based base coat and filling paste in water dispersion with selected fillers for the realisation of multi-sports playing surfaces and tennis courts

WHERE TO USE

- Base coat for filling and evening out surfaces before applying **Mapecoat TNS Finish 1.3.4** on cementitious surfaces used for tennis, basketball and volleyball courts and five-a-side football pitches.
- Base coat for filling and evening out asphalt or unpainted cementitious surfaces, which are not particularly deteriorated or crumbling, before applying **Mapecoat TNS Finish 1.3.4**.
- Base coat for filling and evening out micro-cracked cementitious substrates before applying **Mapecoat TNS Finish 1.3.4**.
- Base coat for filling and evening out cementitious or asphalt substrates before applying **Mapecoat TNS Finish 1.3.4**.
- Base coat with a rough finish to help apply and spread even coats of **Mapecoat TNS Finish 1.3.4**.

Some application examples

Mapecoat TNS Grey Base Coat is used to prepare cementitious surfaces before applying **Mapecoat TNS Finish 1.3.4** coloured finish to even out the absorbency of the substrate and to promote a good bond.

Mapecoat TNS Grey Base Coat may be used to even out surfaces, form a more uniform finish and cover small imperfections.

When **Mapecoat TNS Grey Base Coat** is applied over old, coloured resin coatings, it helps cover the old coating and integrate the new **Mapecoat TNS Finish 1.3.4** coloured finishing cycle.

TECHNICAL CHARACTERISTICS

Mapecoat TNS Grey Base Coat is a medium-elasticity coating product, made from a balanced mix of acrylic resins in water dispersion and selected fillers.

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

Mapecoat TNS Grey Base Coat is a soft, flexible finishing product which, when used in combination with **Mapecoat TNS Finish 1.3.4**, forms a durable base coat finish system for sports surfaces which is safe and comfortable for athletes.

RECOMMENDATIONS

Mapecoat TNS Grey Base Coat is used to prepare cementitious or asphalt substrates (after applying a coat of **Mapecoat TNS Primer EPW**). It must not be exposed to direct sunlight or external environment and must always be protected with a final coat of **Mapecoat TNS Finish 1.3.4**.

Do not dilute **Mapecoat TNS Grey Base Coat** with solvents.

Do not apply **Mapecoat TNS Grey Base Coat** directly on dusty, crumbling or inconsistent surfaces.

Do not apply **Mapecoat TNS Grey Base Coat** on substrates polluted with oil, grease or dirt in general.

Mapecoat TNS Grey Base Coat

Mapecoat TNS Grey Base Coat must not be applied directly on substrates subject to water in counter 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 Grey Base Coat** be assessed.

Mapecoat TNS Grey Base Coat may only be applied on top of other types of acrylic 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 finish and **Mapecoat TNS Grey Base Coat**.

Do not apply **Mapecoat TNS Grey Base Coat** directly on concrete or cementitious substrates in general. The product may only be applied on such substrates after applying a coat of **Mapecoat TNS Primer EPW**.

APPLICATION PROCEDURE

Preparation of the substrate

Concrete surfaces to be treated with this product must be clean, free of loose materials 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 finish will undergo when sporting activities are carried out. Any cracks in the substrate must be repaired by pouring **Eporip**. If portions of deteriorated concrete need to be repaired, use cementitious mortar from the **Mapecgrout** range or **Planitop 400**.

Before applying **Mapecoat TNS Grey Base Coat**, all traces of dust on the surface must be removed with a vacuum cleaner and the surface must be treated with a coat of **Mapecoat TNS Primer EPW**.

Preparation of the product

Mapecoat TNS Grey Base Coat is applied as supplied or diluted with 5-15% of water according to the application equipment and technique used.

Mix the product well before use. Where possible, use a low-speed drill but take care to avoid the entrapment of air in the product.

Application of the product

Apply **Mapecoat TNS Grey Base Coat** with a metal or rubber-backed trowel.

The painting cycle comprises the application of 2-3 coats of **Mapecoat TNS Grey Base Coat**. Wait 12-24 hours between each coat under normal temperature and humidity conditions.

Protect freshly-painted surfaces from rain. If **Mapecoat TNS Grey Base Coat** comes into contact with water before it is completely dry, it may not bond successfully with the substrate and the final finish may not be acceptable.

PRECAUTIONS TO BE TAKEN DURING PREPARATION AND APPLICATION

Do not apply **Mapecoat TNS Grey Base Coat** if rain is imminent or in windy weather.

Do not apply **Mapecoat TNS Grey Base Coat** on damp or wet surfaces, this may compromise the bond.

Do not apply the product if the temperature is lower than +10°C or higher than +35°C. Do not apply the product if the level of humidity is higher than 85%.

Cleaning

Tools used to apply **Mapecoat TNS Grey Base Coat** may be cleaned with water before the product dries.

CONSUMPTION

2.0 kg/m² (3/4 coats, if applied on a non-porous substrate). A number of conditions of the substrate, such as roughness, the presence of micro-cracks and/or honeycombs or clusters of gravel, have a strong influence on the consumption rate of **Mapecoat TNS Grey Base Coat**.

PACKAGING

Mapecoat TNS Grey Base Coat is supplied in 20 kg plastic drums.

STORAGE

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

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapecoat TNS Grey Base Coat is not considered dangerous according to current regulations regarding the classification of mixtures. It is recommended to wear protective gloves and goggles and to take the usual precautions for the handling of chemicals. 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 the latest version of our 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

LEGAL NOTICE

The contents of this Technical Data Sheet ("TDS") may be copied into another

TECHNICAL DATA (typical values)

DESCRIPTION

Flexible acrylic resin base coat and filling paste in water dispersion with selected fillers for the realisation of multi-sports playing surfaces and tennis courts

WHERE TO USE

Mapecoat TNS Grey Base Coat is used to prepare and even out the surface of cementitious or asphalt substrates (after applying a coat of Mapecoat TNS Primer EPW) before applying a finishing coloured coat of Mapecoat TNS Finish 1.3.4

PRODUCT IDENTITY

Appearance	pasty liquid
Dry solids content (%):	approx. 75
Density (g/cm ³):	approx. 1.40
Viscosity of product (mPa·s):	90,000 ± 5,000
Damp abrasion DIN 53778 (cycles):	> 10,000
Failure load DIN 53504 after 7 days at +23°C (N/mm ²):	0.50
Elongation at failure DIN 53504 after 7 days at +23°C (%):	63
Vapour diffusion resistance coefficient (μ) (EN ISO 7783/2):	600
Resistance to the passage of vapour of a 0.5 mm thick dry layer S _D (m) (EN ISO 7783/2):	0.3
Capillary action water absorption coefficient W ₂₄ [kg/(m ² ·h ^{0.5})] (EN 1062/3):	0.08
Bond strength to concrete (N/mm ²):	3.50

PREPARATION

Mapecoat TNS Grey Base Coat is applied as supplied or diluted with 5-15% of water according to the application equipment and technique used

DRYING: air

Ready for painting over: 12-24 hours under normal conditions of temperature and humidity

Mapecoat TNS Grey Base Coat

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.

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

