

MAPECOAT TNS RP

Self-laying, fibre-reinforced, flexible PVC mat for tennis courts and multi-purpose sports surfaces

DESCRIPTION

Self-laying fibre-reinforced flexible PVC mat for indoor and outdoor tennis courts and multi-purpose sports surfaces, to be used in combination with products from the **Mapecoat TNS** range.

WHERE TO USE

- Creation of new sports surfaces on bituminous or cementitious conglomerates, both in interior and exterior.
- Maintenance operations on surfaces that were previously coated with synthetic resins, both in interior and exterior.
- Maintenance operations on damaged bituminous or cementitious conglomerate surfaces or on substrates subject to capillary rising damp, both in interior and exterior.
- Creation of sports surfaces on bituminous or cementitious conglomerates that are cracked or subject to continuous deformation.
- Creation of temporary sports surfaces for events on existing wood surfaces, both indoor and outdoor, with "remove" technology feature.
- Creation of sports surfaces specific for professional tennis tournaments.

TECHNICAL CHARACTERISTICS

Thanks to its special composition made of a PVC fibre-reinforced layer combined with products from **Mapecoat TNS** range, **Mapecoat TNS RP** is particularly suitable for creating sports surfaces on existing flooring while preserving it, even for brief sporting events.

Mapecoat TNS RP is specifically developed to allow combination with the products from Mapecoat TNS range.

Thanks to its special embossed and watertight structure, the side of **Mapecoat TNS RP** in contact with the existing substrate allows air circulation between the mat and the flooring, thus easing the installation of sports surfaces also on substrates subject to residual moisture or rising damp.

The modular junction system, combined with high-performance adhesives and specifically conceived for **Mapecoat TNS RP** makes it possible to create both permanent and removable sports surfaces, that maintain their superficial and flexible characteristics and, thanks to this, can also be reused.

RECOMMENDATIONS

- When applying in exterior, limit exposure time of uncoated **Mapecoat TNS RP** as much as possible, in order to prevent the upper side of the mat from absorbing rain. Accurately plan all steps of installation and subsequent coating with **Mapecoat TNS**.
- Substrates on which the product is to be applied must be compact, strong and flat and have no detached or loose areas.
- Avoid application of **Mapecoat TNS RP** directly on dusty, crumbly or inconsistent surfaces, so that a suitable flatness can be maintained.
- Do not apply **Mapecoat TNS RP** on surfaces subjected to heavy vehicular traffic. If the surface will undergo heavy vehicular traffic, even though only occasionally, a suitable surface protection system has to be applied.
- In case of permanent sports surfaces, the surrounding temperature during application must be at least +23°C in outdoor environments and +15°C in indoor environments.

- In case of temporary installations, do not bond **Mapecoat TNS RP** to the substrate.
- Do not place **Mapecoat TNS RP** in direct contact with perimeter or mechanical features, in general; always keep a distance of at least 20 mm from the outer edges of the mat, in order to allow thermal expansion, if present.
- Do not apply if it is about to rain.
- Substrate temperature must be between +15°C and +35°C.

APPLICATION PROCEDURE

Preparation of the substrate

The substrate must be clean and free from dust, dirt, oil, grease, hardeners, sealants for concrete, non-adhering gaskets, loose parts, old coating residues and from any other substance that could alter the flatness of the surface. The substrate's resistance must comply with its intended use and with the respective Sports Associations and Federations guidelines, if present. Any cracks in the concrete substrate must be repaired using a suitable filling product, such as Eporip injectable epoxy resin. If any area needs to be levelled or restored, use cementitious mortars from the **Mapegrout** or **Planitop** range. In case of bituminous substrates, cracks must be filled and repaired using reactive products such as **Ultrabond Turf 2 Stars Pro**, **Ultrabond Turf 2 Stars** or **Ultrabond Turf PU 2K**. For hollows up to 2 cm deep, we suggest a balanced mix of the products mentioned above (**Ultrabond Turf**) and 15-20% by weight of **Quartz 0.9** silica sand. Remove badly damaged and worn bituminous conglomerate and replace it with a new layer, with a ready-to-use, reactive product if required such as **Mape-Asphalt Repair 0/8**. Once the preparation of the substrate is complete, an accurate cleaning of the whole surface must be carried out before installing **Mapecoat TNS RP**. Any substance that could deteriorate or release odour if exposed to moisture must be previously removed.

Preparation of the product

Unroll **Mapecoat TNS RP** at least 24 hours prior to the installation and leave it aligned in the desired direction, to allow the correct acclimatisation of the mat and the recovery of its flat shape. In case of outdoor installation always protect **Mapecoat TNS RP** from water and moisture in general, since the upper side of the mat is made of non-woven fabric and has long drying times and this could cause delays in the following application steps. In case of permanent installations, always make sure that the surrounding temperature is at least +15°C if in interior and +23°C if in exterior before applying **Mapecoat TNS RP**. Always make sure that there is at least a 20 mm gap between the outer edges of the mat and the perimeter features before installing **Mapecoat TNS RP**.

Application of the product

Place **Mapecoat TNS RP** starting from one end of the surface and unroll the mat in the suitable direction while following the area's geometry as much as possible, in order to minimise product waste. Make sure rolls are adjacent so that continuity is granted and leave a minimum gap between rolls in case of expansion, in order to avoid aesthetically unpleasing effects. After an acclimatisation of the mats of at least 24 hours, the bonding can be carried out. During this phase it is advisable to progressively fold the mat back so that the part to be bonded is exposed. In case of permanent installation of **Mapecoat TNS RP**, place **Ultrabond Turf Tape 300** on the previously folded joints, so that bonding with **Ultrabond Turf 2 Stars Pro** or **Adesilex G19** (applied with a 1 or 2 mm notched trowel) can be carried out. **Mapecoat TNS RP** must be folded back on **Ultrabond Turf 2 Stars Pro** while still fresh, after maximum 1 hour at +23°C. In case of temporary installations, **Mapecoat TNS RP** may be bonded on joints using **Ultrabond Turf Tape 300** and an acrylic resin-based adhesive in water dispersion such as **Ultrabond Eco Fix** applied by roller and diluted with 20% water. Wait until water has completely evaporated before folding back **Mapecoat TNS RP**. It is advisable to gently press joints so that complete contact is granted and any air bubbles trapped in the mat are eliminated. In case of deformed parts or irregularities, it is advisable to put weights (such as bags of sand) on the joints and ends of the mat, in order to improve its flatness. Make sure there are no hollows between joints and **Mapecoat TNS RP**. If hollows are present, seal them using **Ultrabond Turf 2 Stars Pro** so that a flat surface is obtained.

PACKAGING

Mapecoat TNS RP is supplied in 20 m x 1.5 m rolls.

SAFETY INSTRUCTIONS FOR PREPARATION AND APPLICATION

Mapefibre TNS RP is an article and referring to the current European regulations (Reg. 1906/2007/CE - REACH) does not require the preparation of the Safety Data Sheet. During use it is recommended to wear gloves and goggles and follow the safety requirements of the workplace.
PRODUCT FOR PROFESSIONAL USE.

TECHNICAL DATA (typical values)

PRODUCT IDENTITY

Thickness (mm):	3.6 (± 0.2)
Weight (kg/m ²):	4.3 (± 10%)
Rolls width (cm):	150
Rolls length (m):	20
Dimensional stability according to ISO 22635 (%):	< 0.2

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.

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

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