

Mapenet Reinforced

Fiberglass Mesh for Reinforcing *Mapecoat™ TNS Reinforced* and *Mapecoat TNS Comfort Elite Systems*



DESCRIPTION

Mapenet Reinforced is a fiberglass, thin, strong and flexible mesh that enhances the performance of *Mapecoat TNS Reinforced* and *Mapecoat TNS Comfort Elite* systems. Once embedded in the *Mapecoat TNS Reinforced* System, *Mapenet Reinforced* allows renewal of cracked, acrylic-coated, asphalt playing surfaces without having to demolish and rebuild the substrate. In the *Mapecoat TNS Comfort Elite* System, *Mapenet Reinforced* reinforces the rubber mat surface and distributes impact forces for more consistent play.

FEATURES AND BENEFITS

- Adds superior tensile strength to standard acrylic systems
- Lays flat and is easy to install

WHERE TO USE

- Use as an integral part of the *Mapecoat TNS Reinforced* system on structurally sound asphalt substrates:
 - Typically used on old, coated and cracked asphalt court substrates in need of major refurbishing to extend the life of the existing substrate
 - Can be used proactively on the paving seams of new asphalt substrate to delay the cracking that typically occurs
 - Can be used proactively on new asphalt substrates to reinforce the overall substrate performance
- Use as an integral part of the *Mapecoat TNS Comfort Elite* System on asphalt or concrete substrates.

LIMITATIONS

- Do not apply when rain is imminent.

- Do not apply over damp or wet surfaces.
- Apply only if the surface temperature is between 50°F and 140°F (10°C and 60°C).
- Apply only when the ambient temperature is at least 50°F (10°C).

SURFACE PREPARATION

- Asphalt substrates must be completely cured, for a minimum of 15 to 20 sunshine days at ambient temperatures above 73°F (23°C).
- Substrates must be clean and free of dust, dirt, oil, grease, paint, curing agents, loosely bonded toppings, loose particles, old coating residues, and any other substance or condition that may prevent or reduce adhesion.
- All defects (potholes, popouts and other defects) must be leveled before product application is started.
- For base construction and paving substrate specifications, refer to guidelines from the American Sports Builders Association (ASBA), United States Tennis Association (USTA), International Tennis Federation (ITF), National Asphalt Pavement Association (NAPA) and American Concrete Institute (ACI).
- Asphalt or existing acrylics coatings must be coated with *Mapecoat TNS Base Coat Binder* mixed according to specification before receiving *Mapenet Reinforced*.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Apply 1 coat of *Mapecoat TNS Base Coat Binder* with a flexible rubber squeegee (50 to 70 durometers). As the *Mapecoat* product is applied, unroll *Mapenet Reinforced* flat into the fresh material and squeegee over it to embed the fiberglass mesh into the floor.
2. Overlap every *Mapenet Reinforced* roll by about 2" (5 cm) and repeat the embedding process described in Step 1.
3. Allow to dry and cover with two coats of *Mapecoat TNS Base Coat Binder*, allowing each coat to dry before applying the next.

Product Performance Properties

Laboratory Tests	Results
Minimum tensile strength (warp) – ASTM D5035	85 lbs. per in. (370 N per 2.54 cm)
Minimum tensile strength (weft) – ASTM D5035	80 lbs. per in. (350 N per 2.54 cm)

Shelf Life and Product Characteristics

Color	White
Weight – ASTM D3776	1.9 U.S. oz. per sq. yd. (65 g per m ²)
Weave	Plain
Thickness – ASTM D1777	0.006 in. (0.15 mm)

Construction (warp) – ASTM D3775	20 yarns per inch (79 yarns per 10 cm)
Construction (weft) – ASTM D3775	10 yarns per inch (39 yarns per 10 cm)

Packaging and Approximate Coverage

Size	Coverage
Roll: 36" x 150 ft. (0.92 x 45.7 m)	450 sq. ft. (41.8 m ²)

ADDITIONAL INFORMATION

Refer to the Safety Data Sheet (SDS) for specific data related to health and safety as well as product handling.

For information on MAPEI's commitment to sustainability and transparency, as well as how MAPEI products may contribute to green building standards and certification systems, contact sustainability_USA@mapei.com (USA) or sustainability-durabilite@mapei.com (Canada).

WARNING

The test results shown in the TECHNICAL DATA table were obtained in compliance with test methods and curing cycles, if applicable, defined in the industry standards referenced on the Technical Data Sheet. Please note that the use of test procedures or methods other than those indicated in the table could lead to different values and that, in such cases, any liability of our company is excluded.

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 nor replace requirements per the TDS in effect at the time of the MAPEI product installation. For the most up-to-date TDS and warranty information, please visit our website at www.mapei.com. **ANY ALTERATIONS TO THE WORDING OR REQUIREMENTS CONTAINED IN OR DERIVED FROM THIS TDS SHALL VOID ALL RELATED MAPEI WARRANTIES.**

Before using, the user must determine the suitability of our products for the intended use, and the user alone assumes all risks and liability. **ANY CLAIM SHALL BE DEEMED WAIVED UNLESS MADE IN WRITING TO US WITHIN FIFTEEN (15) DAYS FROM DATE IT WAS, OR REASONABLY SHOULD HAVE BEEN, DISCOVERED.**

CONTACT INFORMATION

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Edition Date: March 6, 2025 MK 3000370 (25-1212)

For the most current product data and BEST-BACKEDSM warranty information,
visit www.mapei.com.
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