



Mapecoat TNS Base Coat UltraTM NA

**Acrylic, Cushion Coating
Fortified with Fine Rubber
Granules**

FOR PROFESSIONAL USE ONLY

DESCRIPTION

Mapecoat TNS Base Coat Ultra [NA] is an acrylic, cushion coating infused with fine rubber granules to improve shock absorption and reduce body impact during game play. *Mapecoat TNS Base Coat Ultra* [NA] is a key element of the *Mapecoat TNS Cushion Rec*, *Cushion P* and *Cushion Elite* premium acrylic systems for sports surfaces. *Mapecoat TNS Base Coat Ultra* [NA] is combined with *Mapecoat TNS* system products to form cushioned, durable and comfortable playing surfaces.

FEATURES AND BENEFITS

- Improves playing comfort and reduces shock force
- Offers better resilience than a standard acrylic system
- Just add water
- Superior elongation and flexibility
- Environmentally friendly

WHERE TO USE

- As a cushion coating for indoor and outdoor surfaces to be applied over *Mapecoat TNS Base Coat* products on asphalt and pre-treated concrete as a part of *Mapecoat TNS Cushion Rec*, *Cushion P* and *Cushion Elite* systems
- As a cushion coating when extra shock absorption is required. For optimal absorption, two to four coating layers are recommended.
- As a cushion coating for sealing *Mapecoat TNS Base Coat Ultra Plus* [NA], with a recommended two to three coats

LIMITATIONS

- Do not apply when rain is imminent.
- Do not apply over damp or wet surfaces.
- Apply only when the surface temperature is between 50°F and 130°F (10°C and 54°C).
- Do not apply if the ambient temperature is lower than 50°F (10°C).
- Do not apply if the level of ambient humidity is higher than 85%.

SUITABLE SUBSTRATES

- *Mapecoat TNS Base Coat* products

Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

SURFACE PREPARATION

- For base construction and paving substrate specifications, refer to the American Sport Builders Association (ASBA), United States Tennis Association (USTA), International Tennis Federation (ITF), National Asphalt Pavement Association (NAPA) and American Concrete Institute (ACI) guidelines.
- The substrate must be clean and free of dust, dirt, oil, grease, paint, curing agents, concrete sealers, loosely bonded toppings, loose particles, old coating residues, and any other substance or condition that may prevent or reduce adhesion.
- Defects such as potholes, popouts and other large defects must be leveled and treated accordingly before *Mapecoat TNS Base Coat Ultra* [NA] is applied.

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PRODUCT PREPARATION

Before product use, take appropriate safety precautions. Refer to the Safety Data Sheet for details.

- *Mapecoat TNS Base Coat Ultra* [NA] must be diluted with up to 30% water according to the application method used. The use of a low-speed mechanical mixer is recommended. The mixture should be stirred until it reaches a homogeneous consistency. It is important to keep the mixture homogeneous by occasional remixing during the application process.

PRODUCT APPLICATION

- Apply *Mapecoat TNS Base Coat Ultra* [NA] with a flexible rubber squeegee (50 or 70 durometers).

DRYING TIME

- 3 to 4 hours at 73°F (23°C) and 50% relative humidity. Low temperatures and high humidity will extend drying time.

CLEANING

- Clean tools with water while the product is still fresh/wet. Cured product should be removed via mechanical means.

PACKAGING

- *Mapecoat TNS Base Coat Ultra* [NA] is available in drums measuring 30 U.S. gals. (114 L) and 55 U.S. gals. (208 L).

PROTECT FROM FREEZING

Product Performance Properties

Laboratory Tests	Results
Density	8.3 to 10.0 lbs. per U.S. gal. (1.0 to 1.2 g per cm ³)
Granule size	0.5 to 0.85 mm
Solids content	52% to 56%

Shelf Life and Product Characteristics before mixing

Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)
Physical state	Thick paste
Drying time at 73°F (23°C) and 50% relative humidity	3 to 4 hours

Approximate Coverage* (undiluted)

Number of coats	Coverage in sq. ft. per U.S. gal.	Coverage in sq. yd. per U.S. gal.	Coverage in m ² per L
1st coat	50 to 60	5.6 to 6.7	1.2 to 1.5
2nd coat	60 to 70	6.7 to 7.8	1.5 to 1.7
3rd coat	70 to 80	7.8 to 8.9	1.7 to 2.0
4th coat	80 to 90	8.9 to 10	2.0 to 2.2

** Coverage shown is for estimating purposes only. Actual jobsite coverage may vary according to substrate conditions and application technique used.*

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Refer to the 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).

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.**

We proudly support the following industry organizations:



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