

Mapecomfort R [NA]

Premium, Recycled-Rubber Pad for Cushioned Sports Surfaces



NORTH AMERICA [NA]

DESCRIPTION

Mapecomfort[™] R [NA] is a high-performance, flexible, recycled-rubber underlayment pad that is the principal component of the *Mapecoat*[™] TNS Comfort system. In combination with *Mapecoat* TNS products, *Mapecomfort* R [NA] can be used to create many types of sports surfaces. *Mapecomfort* R [NA] provides ultimate player comfort and reduced shock force during use.

FEATURES AND BENEFITS

- Improves shock absorption and enhances comfort for players
- Available in two thicknesses: 4 mm and 7 mm
- Extreme flexibility, helping to adapt perfectly to any substrate
- Improves soundproofing against the noise of footwork during play
- Quick and easy installation

WHERE TO USE

- For new indoor and outdoor playing surfaces on asphalt and concrete
- For old indoor and outdoor playing surfaces previously coated with synthetic coatings
- Cushion underlayment as a part of the *Mapecoat* TNS Comfort system

LIMITATIONS

- Do not apply when rain is imminent.
- Do not apply over damp or wet surfaces.

- Do not use as a final wear surface.
- Do not allow *Mapecomfort R* [NA] to be exposed to direct sunlight or rain for an extended period. After installation, this underlayment should be covered with *Mapecoat TNS* products within 24 hours.

SUITABLE SUBSTRATES

- Properly cured concrete (at least 28 days old)
- Properly cured asphalt (at least 15 to 25 days depending on atmospheric conditions)
- Coated asphalt or concrete surfaces (residual moisture and adhesion to the existing coating on asphalt or concrete should be evaluated)

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 Sports 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 *Mapecomfort R* [NA] is applied.

PRODUCT APPLICATION

1. Prior to installation, read the Technical Data Sheets (TDSs) for products in the *Mapecoat TNS Comfort* system for complete installation instructions.
2. *Mapecomfort R* [NA] must be removed from its packaging 12 to 24 hours before use, unrolled, cut to fit, and left to rest over the installation area.
3. Apply *Mapecoat TNS PU 3-in-1* adhesive to the substrate using a 1/8" x 1/8" x 1/8" (3 x 3 x 3 mm) U-notch trowel, applying only as much adhesive as can be covered within the working time of the adhesive.
4. Lay the precut *Mapecomfort R* [NA] into the adhesive, checking frequently to ensure 100% transfer of the adhesive to the membrane.
5. Roll the membrane with a 100-lb. (45.4-kg), 3-section roller in both directions.
6. Because the initial grab of *Mapecoat TNS PU 3-in-1* is low, it may be necessary to apply weights, particularly at the seams, to maintain contact until the adhesive sets.
7. Before allowing foot traffic or the application of *Mapecoat TNS Comfort* system products, wait for full curing of the adhesive per its TDS.

Product Performance Properties

Laboratory Tests	Results	
	<i>Mapecomfort R4</i>	<i>Mapecomfort R7</i>
Density – ASTM D3676	41 lbs. per cu. ft. (657 kg per m ³)	
Elongation at break – ASTM D412	40% (+/- 5)	70% (+/- 5)
Compression at 25% – ASTM D395	97.3% rebound	97.7% rebound
Tensile strength – ASTM D412	43 psi (+/- 5) or 0.30 MPa (+/- 0.03)	62 psi (+/- 5) or 0.43 MPa (+/- 0.03)

Shelf Life and Product Characteristics

Color	Black
Composition	Rubber granules bound with polyurethane
Shelf life	2 years when stored in original, unopened packaging at 73°F (23°C)

Packaging and Coverage

Product	Roll Thickness	Roll Size and Coverage
<i>Mapecomfort R4</i>	4 mm	59" x 66 ft. (150 cm x 20.1 m) = 325 sq. ft. (30.2 m ²)
<i>Mapecomfort R4</i>	4 mm	59" x 125 ft. (150 cm x 38.1 m) = 614.5 sq. ft. (57.1 m ²)
<i>Mapecomfort R7</i>	7 mm	59" x 66 ft. (150 cm x 20.1 m) = 325 sq. ft. (30.2 m ²)

ADDITIONAL INFORMATION

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.**

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

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