

Mapefloor Finish HTR NA

Two-Component, Hot-Tire-Stain-Resistant, Aliphatic Polyurethane Coating



DESCRIPTION

Mapefloor™ Finish HTR NA is a two-component, aliphatic polyurethane coating with a clear, gloss finish. *Mapefloor Finish HTR NA* provides high-performance resistance to chemicals and tire plasticizers on resinous flooring systems.

FEATURES AND BENEFITS

- High resistance to chemical and tire plasticizers
- Fast-curing with a quick turnaround time
- UV-resistant
- Easily to clean and maintain surface

WHERE TO USE

- As a topcoat for old and new resinous flooring systems
- Specially developed for car dealers, parking garages and the automotive industry
- Ideal for commercial and general-service industrial environments where stains from tire on resinous flooring are a problem

SURFACE PREPARATION

New resin coatings

Resinous flooring surface must be hard and dry and must have been applied within 24 hours of applying *Mapefloor Finish HTR NA*. If the recoat time has passed, the existing surface must be mechanically abraded using sanding machine with fine abrasive paper (200 to 300 grit), vacuumed with a brush and/or flat attachment and completely free of dust before *Mapefloor Finish HTR NA* can be applied.

Old resin coatings

Old resin coatings must be thoroughly clean and free of any traces of oil, grease or any contaminant that may reduce or prevent proper adhesion. Properly repair the old resinous flooring surface if needed and perform mechanical abrasion using a sanding machine with fine abrasive paper (200 to 300 grit) or aggressive pads depending on the surface condition, vacuumed with a brush and/or flat attachment, and completely free of dust before *Mapecfloor Finish HTR NA* can be applied to guarantee adhesion between product and the substrate.

Note: MAPEI strongly recommends conducting a trial application to determine compatibility and acceptable performance of *Mapecfloor Finish HTR NA* with the existing surface. Consult MAPEI's Technical Services Department for installation recommendations regarding substrates and conditions not listed.

MIXING

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

It is recommended to prepare only the quantity that can be applied within the maximum workability time.

1. Premix the two components mechanically for about 1 minute.
2. Pour all the Part B hardener into the Part A container and mix thoroughly to a smooth, homogeneous consistency. During the mixing process, scrape down the sides and bottom of the container to completely mix all the components.
3. Do not mix at high speeds or overmix, which can trap air within the mixed material. Use an adequate mixing paddle with a low-speed drill mixer (at 300 to 400 rpm).
4. Apply the mixed *Mapecfloor Finish HTR NA* within the pot life of 4 hours. Higher ambient and substrate temperatures will reduce the pot life of the mix, while lower temperatures will increase its pot life as well as increase the viscosity and affect coverage.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Apply *Mapecfloor Finish HTR NA* in two coats at a wet film thickness (WFT) of 2 to 4 mils. Use a short-piled lint-free roller (1/4" or 6 mm) followed immediately with thorough cross-rolling.
2. If the time between each coat exceeds 24 hours at 68°F (20°C), lightly sand the surface of the previous coat and vacuum it with a brush and/or flat attachment, ensuring it is completely free of dust before second coat of *Mapecfloor Finish HTR NA* is applied. Waiting times are shorter at higher temperatures and longer at lower temperatures.
3. Make sure that application areas are well ventilated with a good amount of air exchange to help the product dry.

CLEANING

- Tools used to prepare and apply *Mapecfloor Finish HTR NA* should be clean using an appropriate solvent, such as xylene. Cured material can only be removed mechanically.

LIMITATIONS

- Do not apply *Mapecfloor Finish HTR NA* on substrates that have not received adequate preparation.
- Do not dilute *Mapecfloor Finish HTR NA* with solvents or water.
- Do not apply *Mapecfloor Finish HTR NA* on dusty or weak substrates.

- Do not apply *Mapecfloor Finish HTR NA* on substrates that have oil, grease or dirt.
- Do not mix partial quantities of the components; otherwise, the product may not perform adequately.
- Do not expose the mixed product to sources of heat.
- The coating may change color if it is exposed to aggressive chemicals. A change of color, however, does not mean that the chemicals have damaged the coating. If corrosive substances spill onto *Mapecfloor Finish HTR NA*, remove them immediately.
- Maximum time before recoating is 4 hours
- Use the product only between the ambient and substrate temperatures of 41°F and 95°F (5°C and 35°C).
- Do not use on exterior or on-grade surfaces.
- Ensure that the applied product is protected from water and condensation for at least 24 hours after application.
- Ensure that the temperature of the concrete is at least 5 degrees Fahrenheit (2.8 degrees Celsius) above the dew point during the application and curing of *Mapecfloor Finish HTR NA*.
- *Mapecfloor Finish HTR NA* cannot be applied directly to concrete or cementitious substrates.

Product Performance Properties

at 73°F (23°C) and 50% relative humidity

Laboratory Tests	Results
Viscosity (mixed)	21 seconds, No. 4 Ford cup
Density (mixed) – ASTM C905	1,050 g per cm ³
VOC content (SCAQMD Rule 1113)	< 350 g per L
Typical VOC content per SCAQMD Rule 1113 testing methods	282 g per L

Shelf Life and Product Characteristics

Shelf life	1 year when stored in original, unopened packaging in a covered, dry area with temperatures between 54°F and 86°F (12°C and 30°C)
Physical state	Part A: Liquid Part B: Liquid
Color	Part A: Clear Part B: Clear
Mix ratio	2.33:1 (A : B) in weight

Protect containers from freezing in transit and storage. Provide for heated storage on site and deliver all materials at least 24 hours before work begins.

Application Properties

Dry to touch	40 to 60 minutes
Hard-dry	4 hours
Full cure	7 days
Light traffic allowed	After 12 to 18 hours
Waiting/recoat times	Minimum 4 hours, maximum 24 hours
Pot life	4 hours

CSI Division Classification

Fluid-Applied Flooring	09 67 00

Approximate Coverage*

per mixed unit

Thickness	Coverage
2 mils WFT	1,770 to 1,775 sq. ft. (164 to 165 m)
4 mils WFT	885 to 890 sq. ft. (82.2 to 82.7 m)

** Coverage shown is for estimating purposes only. Actual jobsite coverage varies depending on the desired build as well as the profile and porosity of the substrate.*

Packaging

Size	
Kit	2.48 U.S. gals. (9.4 L)
Part A	1.76 U.S. gal. (6.67 L)
Part B	0.72 U.S. gal. (2.73 L)

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).

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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For the most current product data and BEST-BACKEDSM warranty information,
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