

Ultracoat Gym

One-Component, Water-Based, Polyurethane, Gym
Wood-Flooring Finish



DESCRIPTION

Ultracoat® Gym is a one-part, water-based formula designed to provide a high gloss finish for professional gym floors. It is a self-crosslinking, aliphatic polyurethane resin system with excellent abrasion resistance and slip resistance suitable for solid, pre-sanded, wood sports floors.

FEATURES AND BENEFITS

- Non-yellowing even after multiple coats
- Resistant to moisture and perspiration
- Easy to maintain and recoat
- 90 gloss finish

INDUSTRY STANDARDS AND APPROVALS

Green Certifications

- Maple Flooring Manufacturers Association (MFMA): Approved
- Living Building Challenge (LBC) Red List Free: This product has been verified per the most current Red List on the LBC's Website.

WHERE TO USE

- Use to finish sports floors made of solid maple or other wood species.

LIMITATIONS

- Use *Ultracoat Gym* only at temperatures between 50°F and 95°F (10°C and 35°C).
- Do not mix lot numbers of product for the same application area.
- The moisture content in the wood must be in accordance with industry standards.

SUITABLE SUBSTRATES

- Properly prepared and sanded wood flooring
- Properly prepared, existing wood-flooring finishes

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

SURFACE PREPARATION

- Sand the wood floor according to accepted industry practices to obtain a surface that is smooth and free of oil, grease, wax, silicone and other contaminants.
- Existing finishes must be screened and tacked free before application of *Ultracoat Gym*.
- Thoroughly vacuum off all dust and debris, and then tack thoroughly before applying *Ultracoat Gym*.

MIXING

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

1. Gently shake or stir *Ultracoat Gym* in the container before use and let the product stand for 5 to 10 minutes before applying.
2. For application temperatures greater than 85°F (29°C), dilute the product by 10% with cool, clean water to retard drying time and increase flow and workability.

PRODUCT APPLICATION

Read all installation instructions thoroughly before installation.

1. Always test for compatibility over an existing finish or line paint in a small section before full application.
2. Use only clean containers and tools. Do not put leftover mixed quantities of the product back into its original container.
3. Pour a ribbon of *Ultracoat Gym* 4" to 6" (10 to 15 cm) wide directly onto the surface of the wood flooring, parallel to the direction of the wood grain.
4. Using a microfiber head on a T-bar applicator, pull the finish in a direction parallel to the wood grain. Maintain a wet edge at all times by holding the applicator at a 45-degree "snow-plow" angle and pulling it to spread the sealer. At the end of each turn, "pad out" the applicator parallel to the wet edge to unload the fill (that is, push out the excess product from the applicator head). Do not leave puddles on the surface after application. Small areas can be reached with a high-quality paintbrush or microfiber trim pad. Repeat the application process until the desired finish is achieved.

5. Allow 2 to 3 hours of drying between coats. If necessary, abrade between coats or if the window of time for recoating has been exceeded. Screen the surface using a floor-buffing machine equipped with a maroon pad, or a 180- or 220-grit sanding screen. Remove all dust using a high-performance vacuum. Tack-cloth the vacuumed surface to ensure that all dust and debris have been removed.

CLEANUP

- Residue of *Ultracoat Gym* on tools can be removed with water while the product is still fresh. Once hardened, the product must be removed mechanically.

PROTECTION AND MAINTENANCE

- The complete curing process of *Ultracoat Gym* takes about 7 days, although it might seem hard and dry after 24 hours. (It is 75% cured after 1 day, and 90% cured after 3 days.) The floor finish may be walked on carefully after 24 hours and opened to heavy traffic after 48 hours, but it remains susceptible to scuffing or marring until it is completely cured.
- Avoid walking on the surface with hard-soled shoes or any footwear that could bring in abrasive debris from the outdoors during the curing period. If walking is necessary, wearing only socks on the feet is highly recommended.
- Use only a dry microfiber mop or cloth for cleaning during the first week.

Product Performance Properties

Laboratory Test	Results
Density	8.66 lbs. per U.S. gal. (1.03 g per L)
Solids content	33%
Gloss – ASTM D523	90
Flash point	> 200°F (93°C)
VOCs (Rule #1133 of California's SCAQMD)	193 g per L

Shelf Life and Product Characteristics

before mixing

Shelf life	1 year when stored in original, unopened packaging at 73°F (23°C)
Storage conditions	65°F to 85°F (18°C to 29°C)

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

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

Consistency	Liquid
Color	Translucent white (dries clear)
Application temperature range	50°F to 95°F (10°C to 35°C)

Packaging

Size
Pail: 5 U.S. gals. (18.9 L)

Approximate Coverage*

per 5 U.S. gals. (18.9 L)

Coverage
2,000 to 3,000 sq. ft. (186 to 279 m ²)

* Coverage may vary based on application techniques.

ADDITIONAL INFORMATION

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.**

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