



VERMEISTER®

SOLUTIONS FOR WOOD FLOORS



HI TECH 2K TECHNICAL GUIDE

V 2.0

(866) 413-5667

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Mixing Guide



SHAKE WELL BEFORE USING

Shake Component A vigorously for 60 seconds.

IMPORTANT: Hardeners NOT interchangeable. Component B should only be used with the corresponding Component A (Hi Tech 2k X-Matt, 30, 60)



STIR WHILE CATALYZING

Pour Component B into A while stirring, following the prescribed proportions (10:1 Ratio). After the hardener has been added, reseal and shake vigorously for 60-180 seconds, let sit 5-10 minutes before applying. It is extremely important to stir while mixing the two components to avoid the formation of skins or clots.



STRAIN THE CATALYZED FINISH

Strain the product before using to remove any impurities with the provided stainer and/or painters cloth.



RETARDER

To slow down the dry time of Hi Tech 2k use VerMeister's retarder, Soluzione. Add 5-10% (3-6 ounces per gallon) of Soluzione to Hi Tech 2k after it has already been catalyzed and shake vigorously for 60-180 seconds, let sit 5-10 minutes before applying. **IMPORTANT:** Do not exceed 10% dilution of Hi Tech 2k with Soluzione.

Disclaimer

The details contained in this chart are provided to the best of our knowledge but do not constitute supply specifications owing to the many different types of use and conditions of application.

Warranty

VerMeister America Inc. does not in any way warrant the merchantability or fitness of this product in any purpose, or provide any other warranty, expressed or implied. Any liability whatsoever of VerMeister America Inc. is limited to the replacement of product proved to be defective. Neither seller nor manufacturer shall be liable for any injury, loss or damage, direct or consequential.

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Quick Facts



Coverage	Catalyst Ratio	Pot Life	V.O.C.
450 - 550 ft ²	10:1	4 Hours	210 g./l.
Disc/Screen Before Hi Tech 2k			
220 (20 Mesh) Screen or Maroon Pad with 3 Fine Grit 240 Strips			
Application Methods		Maximum Retarder Per Gallon	
Roller, T-Bar, Pad, Brush		3-6 ounces of Soluzione	
Dry for Screening		Sealer Compatibility	
12 Hours		Aqua Tenax, Flame	
Sheen Levels			
X-Matt/10 Gloss/Matte, 30 Gloss/Satin, 60 Gloss/Semi-Gloss			
Storage		Shelf Life	Clean up
Cool Dry Place		12 Months*	Water

Description

Two part (10:1 Ratio) 100% polyurethane finish with NSS (Nano Scale System) and PASS (Permanent Anti-Scratch System) technologies. This finish is the synthesis of Vermeister's research and the fruit of the most advanced technologies available on the market today. Able to achieve resistance characteristics that are without rivals, Hi Tech 2k is known throughout the world for its easy usability. Recommended for "Heavy Duty" or commercial floors, Hi Tech 2k has an excellent resistance to scratch, abrasion, rubber marks and chemicals.

Tips

- Pour part B into part A slowly and while stirring to avoid resin shock.
- If your application tool feels sticky while applying Hi Tech 2k, add 5% of Soluzione after the finish has been catalyzed (two components mixed) and shake vigorously for 60-180 seconds, let sit 5-10 minutes before applying. If Soluzione is not available, water can be used as a substitute.
- If you are working in dry or very warm conditions, use Soluzione to slow the drying of Hi Tech 2k. Add 3-6 ounces of Soluzione (per gallon) to Hi Tech 2k after it has been catalyzed and shake for 60-180 seconds, let sit 5-10 minutes before applying.
- **Turn Air Conditioning off 1 hour prior to applying Hi Tech 2k.**
- Use the calibrations on the side of the jug and hardener for partial batch mixing, to avoid wasting finish.
- Hi Tech 2k can be applied without screening between 3-5 hours after the previous coat
- Hardeners NOT interchangeable. Component B should only be used with the corresponding Component A (Hi Tech 1k X-Matt, 30, 60).
- Unused portions of an open gallon should be used within 2-4 weeks and strained with painters cloth to remove the excess skin and/or clumps.
- Use Aqua Tenax over stains however it is extremely important that the stain is properly cured.

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Technical Details

Floor Preparation

Sand and prepare floor using NWFA or NOFMA accepted methods. Apply a first coat of primer (Aqua Tenax or Flame) according to the instructions of the relevant technical data sheets. After the sealer is dry, abrade with a maroon pad and 3 fine grit 240 strips, vacuum and tack floor thoroughly. If Hi Tech 2k is used on exotic and/or rare woods, it is advisable to use Aqua Tenax as a seal coat because the direct application of Hi Tech 2k or other waterborne sealers doesn't provide adequate insulation.

Mixing

Shake well before using. Shake Component A vigorously for 60 seconds. Next pour Component B (the catalyst) into A, while stirring (If mixing partial containers, it is critical to follow the prescribed proportions of a 10:1 Ratio). It is extremely important to stir while mixing the two components to avoid the formation of skins or clots. After the finish is catalyzed, shake vigorously again for 60-180 seconds, let sit 5-10 minutes before applying. It is also advisable to strain the product before using to remove any impurities. Catalyzed finish must be used within 4 hours (4 hour pot life) for best results. CAUTION: Do not recap finish/hardener mixture after 4 hours to avoid pressure build-up.

Application

Apply the finish with a t-bar, trim pad, brush or roller using a NWFA or NOFMA approved application method. If a second coat of Hi Tech 2k is desired, allow the finish to dry 12 hours and abrade with a fine 220 grit screen or maroon pad with 3 fine grit 240 strips until the floor is uniformly dull and smooth, vacuum, tack and apply.

Hi Tech 2k can also be applied directly on bare wood but for best results use in conjunction with Aqua Tenax or Flame. Hi Tech 2k can be "hot coated" directly on top of itself without screening after 3 hours and before 5 (under ideal conditions). For best results of a second Hi Tech 2k coat, screening is recommended after the finish is dry (approximately 12 hours). If your application tool feels sticky while applying Aqua Tenax, add 5% of Soluzione after the finish has been catalyzed (two components mixed) and shake vigorously for 60-180 seconds, let sit 5-10 minutes before applying. If Soluzione is not available, water can be used as a substitute.

IMPORTANT: Hardeners are NOT interchangeable. Component B should only be used with the corresponding Component A (Hi Tech 1k X-Matt, 30, 60).

Curing

Allow the final coat to dry for at least 48 hours before use. The curing process takes approximately 14 days (75% cured after 1 day, 90% after 3 days). Do not place area rugs on the floor until the finish has cured fully. The floor may be walked on after 24 hours but is susceptible to scuffing or marring prior to completion of the curing process. Do not use cleaner during this 14-day cure time.

Maintenance

For floor maintenance, use Detergent Neutro and Idronet, according to the quantities stated on the relevant technical data sheets.

Caution

- Low temperatures, high humidity and poor air circulation can increase dry times.
- Do not recap finish/hardener mixture after 4 hours to avoid pressure build-up. Allow mixture to completely harden before disposing of in accordance with local, state, and federal regulation.
- Keep product from freezing and extreme heat (Store at 55°-70°F)
- For professional use only. Always wear protective gear (Respirator, Dust Masks, Gloves) when sanding wood floors and/or using this product. Refer to the relevant Material Safety Data Sheet (MSDS).

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