



# **VERMEISTER®**

## SOLUTIONS FOR WOOD FLOORS



# AQUA TENAX 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.



**STIR WHILE CATALYZING**  
Pour Component B into A while stirring, following the prescribed proportions (5:1 Ratio). After the hardener has been added, reseal and shake vigorously for 60-180 seconds. 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 Aqua Tenax use VerMeister's retarder, Soluzione. Add 5-10% (3-6 ounces per gallon) of Soluzione to Aqua Tenax after it has already been catalyzed and shake vigorously for 60-180 seconds. **IMPORTANT:** Do not exceed 10% dilution of Aqua Tenax 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 <sup>2</sup>	5:1	4 Hours	195 g/l
Disc/Screen Before Sealer			
150 Grit (On Wood Susceptible to Grain Raise (Oak) 180-220 Grit)			
Application Methods		Maximum Retarder Per Gallon	
Roller, T-Bar, Pad, Brush		3-6 ounces of Soluzione	
Dry for Screening		Topcoat Compatibility	
12-24 Hours		Hi Tech 1k, Idro 2k, Hi Tech 2k	
Disc/Screen Before Finish (Topcoat)			
220 (20 Mesh) Screen or Maroon Pad with 3 Fine Grit 240 Strips			
Storage		Shelf Life	Clean up
Cool Dry Place		12 Months*	Water

### Description

Aqua Tenax is a 2-component waterborne primer that is acrylic, sandable, and has an isocyanate hardener. Designed to complement the Idro 2k and Hi Tech finish lines, Aqua Tenax is thick (37% solids) and will enable you to complete a floor with only 2 coats (1 coat of Aqua Tenax, 1 top coat). Aqua Tenax combines the power of an acrylic sealer with an isocyanate hardener to give you a primer coat with the best adhesion possible from any waterborne on the market today. Created to eliminate lap marks and produce minimal grain raise, Aqua Tenax also touts one of the lowest V. O. C. levels (100) of any waterborne out there. Finally, Aqua Tenax is NMP-Free, sands unbelievably well, powders up like a lacquer and is solving the traditional problems associated with waterborne.

### Tips

- On wood susceptible to grain raise (such as Oaks), screen up to 220 grit before applying Aqua Tenax.
- 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. 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 Aqua Tenax. Add 3-6 ounces of Soluzione (per gallon) to Aqua Tenax after it has been catalyzed and shake for 60-180 seconds.
- Lap marks will disappear overnight.
- Aqua Tenax can be used over stains however it is **extremely** important that the stain is properly cured before applying any waterborne sealer or finish.
- **Turn Air Conditioning off 1 hour prior to applying Aqua Tenax.**

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## Technical Details

### Floor Preparation

To achieve maximum coverage per coat and the best final result, it is advisable to sand and prepare the floor using NOFMA accepted methods. Make your final cut with 100-120 grit paper and disc/screen to at least 150 grit. On woods highly susceptible to grain raise (such as oak), disc/screen to a 180-220 grit for a smoother finish.

### 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 5:1 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. 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.

### Finish Cycles

Final with two-component waterborne (Idro 2k/Hi Tech 2k):

Apply one coat of Aqua Tenax. After 12-24 hours abrade with a maroon pad and 3 fine grit 240 strips, vacuum, tack and then apply a coat of the Idro 2k or Hi Tech 2k finish line. If a second coat of the same finish is desired, use same above-mentioned method.

Final with single component waterborne finish (Hi Tech 1k):

Apply one coat of Aqua Tenax. After 12-24 hours abrade with a maroon pad and 3 fine grit 240 strips, vacuum, tack and then apply a coat of Hi Tech 1k. A second coat of the same finish is recommended, use same above-mentioned method.

### Application

Apply the finish with a t-bar, trim pad, brush or roller using a NWFA or NOFMA approved application method. Do not apply the product at temperatures below 50°F. Low temperatures; high-level humidity and poor air circulation can increase drying times.

After 2 hours and before 6, (under ideal conditions) the floor can be coated without abrasion using Hi Tech 1k, Idro 2k, or Hi Tech 2k, however for best results it is recommended to wait 12-24 hours and abrade the Aqua Tenax.

For easier application, Aqua Tenax can be diluted 5% (3 oz. per gallon) with Soluzione after the finish has been catalyzed (two components mixed) and shake vigorously for 60-180 seconds. If Soluzione is not available, water can be used as a substitute.

To slow/extend the drying of Aqua Tenax, use Soluzione after Aqua Tenax has been catalyzed. Add 3-6 oz. of Soluzione per gallon of Aqua Tenax, mix well, and apply as usual. IMPORTANT: do not exceed 10%.

Aqua Tenax can be applied over stains however **it is extremely important** the stain is properly cured first. For stains with high pigments, extended drying times may be necessary and testing is highly recommended. For best results, use VerMeister's stain line.

### 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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