



**VERMEISTER®**

SOLUTIONS FOR WOOD FLOORS



# FLAME 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 Flame use VerMeister's retarder, Soluzione. Add 5-10% (3-6 ounces per gallon) of Soluzione to Flame after it has already been catalyzed and shake vigorously for 60-180 seconds. **IMPORTANT:** Do not exceed 10% dilution of Flame 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	120 g/l
<b>Disc/Screen Before Sealer</b>			
150 Grit (On Wood Susceptible to Grain Raise (Oak) 180-220 Grit)			
<b>Application Methods</b>		<b>Maximum Retarder Per Gallon</b>	
Roller, T-Bar, Pad, Brush		3-6 ounces of Soluzione	
<b>Dry for Screening</b>		<b>Topcoat Compatibility</b>	
12-24 Hours		Hi Tech 1k, Idro 2k, Hi Tech 2k	
<b>Disc/Screen Before Finish (Topcoat)</b>			
220 (20 Mesh) Screen or Maroon Pad with 3 Fine Grit 240 Strips			
<b>Storage</b>		<b>Shelf Life</b>	<b>Clean up</b>
Cool Dry Place		12 Months*	Water

### Description

Two-component, NMP-free, waterborne sealer with toning effect. Based on the latest generation of resins, FLAME enhances the tone of the wood in almost exactly the same way as traditional solvent based sealers. Contrary to previous sealers, this product does not lead to yellowing or ambering over time. This outstanding characteristic of FLAME has been achieved while still maintaining other very important features such as resistance to overlapping, good coverage, ease of application and excellent sandability. Thanks to its high solid content, FLAME can be used with two-component finishes of the 100% AQUA range for carrying out a two-coat finishing cycle.

### Tips

- On wood susceptible to grain raise (such as Oaks), screen up to 220 grit before applying Flame.
- If your application tool feels sticky while applying Flame, 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 Flame. Add 3-6 ounces of Soluzione (per gallon) to Flame after it has been catalyzed and shake for 60-180 seconds.
- A second coat of Flame will produce a slightly richer color (20%) so for this reason an even application is **critical** as heavy spots may leave a darker color.
- Flame can be used over stains, however it is **extremely** important that the stain is properly cured before applying any waterborne sealer or finish.
- Flame will reach its optimal rich color after the first finish coat has dried. An additional finish coat or Flame coat will produce a richer, darker floor.
- A second coat of Flame can be applied for a slightly darker/richer color.
- **Turn Air Conditioning off 1 hour prior to applying Flame.**

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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 Flame. 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 Flame. 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 Flame.

For easier application, Flame 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 Flame, use Soluzione after Flame has been catalyzed. Add 3-6 oz. of Soluzione per gallon of Flame, mix well, and apply as usual. IMPORTANT: do not exceed 10%.

Flame can be used over stains, however it is extremely important the stain is properly cured before applying any waterborne sealer or finish. 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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