

# FLAGSHIP

## High Build Varnish

- Traditional warm, amber hue with outstanding gloss retention
- Highest build and film depth per coat
- Highest level of UV protection
- Extremely durable finish
- Easy to apply



### TRADITIONAL MARINE VARNISH

With six times more UV inhibitors, Flagship Varnish offers the best protection against the sun's damaging rays. A special blend of phenolic and alkyd resins combined with tung and linseed oils offer excellent performance and a warm, light amber hue.

Flagship Varnish contains an ultraviolet light filter in conjunction with a light stabiliser to screen the sun's damaging rays for longer life. Flagship Varnish has the highest build and film depth per coat, as well as excellent abrasion resistance and a high gloss finish.

TECHNICAL INFORMATION																	
<b>FINISH</b>	Gloss																
<b>SOLIDS BY WEIGHT</b>	55%																
<b>SOLIDS BY VOLUME</b>	48%																
<b>COVERAGE</b>	11m <sup>2</sup> /litre																
<b>VOC</b>	420 grams/liter																
<b>FLASH POINT</b>	42°C																
<b>PACKAGING</b>	1 Quart container (0.95 litres)																
<b>SHELF LIFE</b>	2 Years in original, unopened package																
<b>APPLICATION METHOD</b>	Brush or Spray																
<b>NUMBER OF COATS</b>	<b>Bare Wood:</b> 4 min. <b>Existing Varnish:</b> 2 min.																
<b>WET FILM THICKNESS</b>	75µm																
<b>DRY FILM THICKNESS</b>	37µm																
<b>APPLICATION TEMPERATURE</b>	7°C Min 32°C Max																
<b>THINNER</b>	120 Brushing Thinner 121 Spraying Thinner																
<b>DRY TIME</b>	Minimum time in hours: <table border="1" style="margin-left: 20px;"> <thead> <tr> <th></th> <th>TO TOUCH</th> <th>TACK-FREE</th> <th>DRY HARD</th> </tr> </thead> <tbody> <tr> <td>32°C</td> <td>1-3</td> <td>4-6</td> <td>8-12</td> </tr> <tr> <td>21°C</td> <td>2-4</td> <td>6-8</td> <td>16-20</td> </tr> <tr> <td>10°C</td> <td>4-8</td> <td>12-16</td> <td>24-48</td> </tr> </tbody> </table> <p><b>Note:</b> The above times are minimum. Double dry times when humidity levels exceed 85%</p>		TO TOUCH	TACK-FREE	DRY HARD	32°C	1-3	4-6	8-12	21°C	2-4	6-8	16-20	10°C	4-8	12-16	24-48
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**ASSOCIATED PRODUCTS:** EZ WoodSealer

### SURFACE PREPARATION:

Wood must be clean, dry and properly prepared to varnishing. When sanding wood, always sand with the grain. Use a vacuum, air hose or tack rag to remove all traces of sanding residue. Follow all surface preparation steps carefully, avoiding shortcuts. Inadequate surface preparation will virtually assure inadequate varnish performance.



**APPLICATION INFORMATION:** Do not shake varnish. Stir gently before application, being careful not to introduce air bubbles into the varnish. Flagship High Build Varnish may be applied by brush, conventional or airless spray. Thinning is not normally required although on warm days, use Pettit 120 Brushing Thinner at 5 to 10% by volume to ease brushing and maintain good flow and levelling. When spraying, use Pettit 121 Spraying Thinner up to 20% by volume. Spray one even, wet coat to minimise orange peel. Do not apply in heavy films or build coats too quickly as solvent entrapment, blistering or wrinkling may occur. Do not apply Flagship High Build Varnish on extremely humid days or when rain is threatening. Do not apply in the late afternoon when working outdoors as the wet film may be adversely affected by dew. DO NOT apply this varnish to a wood hull which has been dried more than one week under conditions such as artificial heat. Do not use Flagship High Build Varnish below the waterline on boats that remain in the water. The moisture content of the wood should be a minimum of 15% when varnished. This will eliminate expansion cracking, micro-checking and gloss loss when the varnish is in service.

#### BARE WOOD:

1. Sand surface completely smooth with 180-320 grit production paper. Wipe surface to remove sanding residue with a tack rag or rag dampened with Pettit 120 Brushing Thinner.
2. Apply a generous covering coat of Pettit EZ Wood Sealer. Let it dry overnight and sand thoroughly with 220 grit sandpaper. On especially rough or porous wood, a second coat of EZ Wood Sealer may be applied. If applied, sand the second coat as well and wipe the surface clean with a tack rag or a rag dampened with Pettit 120 Brushing Thinner.
3. Apply at least four coats of Flagship High Build Varnish. Let each coat dry overnight, sand with 220 grit sandpaper, and clean off sanding residue with a tack rag before applying the next coat. Sand the next to last coat with 400 grit production paper and clean off sanding residue with a tack rag before applying the final coat.

#### VARNISHED WOOD IN GOOD CONDITION:

1. Wipe old varnish with Pettit 120 Brushing Thinner to be sure all dirt, wax, polish and/or grease has been removed.
2. Thoroughly sand the existing varnish with 180-220 grit production paper and wipe clean with a tack rag.
3. Apply at least two coats of Flagship High Build Varnish. Let the first coat dry overnight, sand with 400 grit sandpaper and clean off sanding residue with a tack rag before applying the final coat.

#### VARNISHED WOOD IN POOR CONDITION:

1. Remove all the old varnish with a paint and varnish remover or by sanding.
2. Bleach the wood if necessary to remove water stains.
3. Proceed with the system for bare wood shown above.

#### BARE TEAK OR OTHER WOODS WITH HIGH OIL CONTENT:

1. Sand the wood smooth with 120 grit production paper to open up the grain. Wipe the surface thoroughly with Pettit 120 Brushing Thinner in an effort to aggressively remove as much oil as possible.
2. Apply a generous coat of Pettit EZ Wood Sealer. After an overnight dry, lightly sand the surface with 220 grit sandpaper and wipe it clean with a rag dampened with Pettit 120 Brushing Thinner.
3. Apply at least four coats of Flagship High Build Varnish. Let each coat dry overnight, sand with 220 grit sandpaper, and clean off sanding residue with a tack rag before applying the next coat. Sand the next to last coat with 400 grit production paper prior to applying the final coat.

**CLEAN-UP:** Use recommended solvent in case of spillage of product and dispose in accordance with local applicable regulations.

**STORAGE:** Store chemicals indoors, away from direct sunlight, sources of heat and egress pathways. Hazardous chemicals must be stored below eye level. Do not store chemicals on the floor, window ledges, or balconies. Keep containers closed unless you are dispensing a chemical or adding to the container. Label containers and be sure container is compatible with the chemicals. Keep out of reach of children. Store chemicals between 4°C and 38°C.