

TECHNICAL DATA SHEET

SYNTEKO SEALMASTER 1600

SYNTEKO Sealmaster sealer is a very fast drying waterborne sealer for use over natural, unstained wood or cork floors which are to be finished with either SYNTEKO Extra finish or SYNTEKO Best finish. It dries hard in 60-90 minutes for screening or buffing without gumming up and provides a great build and a very smooth surface. It reduces the effects of side-bonding/panelization. SYNTEKO Sealmaster sealer reduces grain raise and the risk of discoloration in oak and other tannin-containing wood species. Oil-and resin-rich wood species like teak, cypress etc. must be treated with SYNTEKO Sealmaster sealer 1600 immediately after sanding. SYNTEKO Sealmaster sealer 1600 is intended for use in combination with SYNTEKO Extra finish or Synteko Best finish.

FEATURES

- High solids
- Quick dry
- High crystallinity
- Controls tannic acid solubility
- Non ambering sealer

BENEFITS

- Increased layer thickness and a smoother finish
- Limited grain raise/rapid topcoating
- Reduced sidebonding/excellent sandability
- Reduces discoloration/bleeding
- Provides a water clear sealant

PREPARATION:

Machine sand (following NOFMA, NWFA, and MFMA guidelines) the surface to remove old finishes and impurities from the wood. The final sanding should take place with 120-150 grit sandpaper or screen using the lowest possible drum pressure. If too much drum pressure is applied during the final sanding with the belt/drum sander, the soft springwood may be compressed. When moisture from the SYNTEKO Sealmaster sealer 1600 affects such compressed springwood it would swell back to its original volume resulting in an obvious rise in the surface. Oily and resinous wood species such as teak must be sealed immediately and within 2 hours after sanding. Thoroughly vacuum and dry tack the floor before applying SYNTEKO Sealmaster sealer.

APPLICATION:

During use, SYNTEKO[®] Sealmaster sealer (1600) must be at room temperature. Temperature of floor should be between 15 and 25° C (60 to 77° F). **Note:** Shake well before use. During the application of SYNTEKO Sealmaster sealer, it is recommended to avoid direct airflow and sunlight over the application area to prevent the product from drying too quickly. Immediately after application, it is recommended to increase ventilation to promote good airflow over the application area, which will speed up the dry time and reduce grain-raise. Apply SYNTEKO Sealmaster sealer with a light weight T-bar or a synthetic pad applicator. During application it is very important to apply the first layer as evenly as possible. Do not use too much sealer in the brush or cut-in pad when applying close to walls and corners as the sealer can easily get below the baseboards and flow out on the floor, resulting in uneven layers and color. Do not allow puddles of SYNTEKO Sealmaster sealer to remain on the floor. If the sealer is poured onto the floor from the jug, it must be spread as quickly as possible to prevent the wood from absorbing too much water. Before top coating, lightly sand with a used 120-150 grit screen or use a new conditioning pad with 180 grit sandpaper strips. When a buffer is used for screening or buffing, the buffer should be moved quickly with very light pressure to reduce the risk of discoloration or "burning" through the seal coat. Thoroughly vacuum and tack with water dampened towels or rags.

APPLICATION OF TOP COAT:

Please see Technical Data Sheet for the product selected (SYNTEKO Extra finish or SYNTEKO Best finish.)

PRECAUTIONS:

Heavy applications or applications during humid or low temperature conditions will increase the drying time.

TECHNICAL DATA

Base Material:	Waterborne polyurethane/acrylate	
Description & color:	Milky-white liquid	
Solids content:	Approximately 35%	ASTM D1644 method A
Density:	8.65 ~ 8.75 lbs/gallon	ASTM 1475
Viscosity:	Approximately 33 ~ 36 second Zahn Cup2 @ 72 °F	ASTM D2196-86
pH:	Approximately 7.3	
Solvent:	Water	
Flash point:	> 100°C (212°F)	ASTM 3278-96
Coverage:	Approximately 350 to 500 sq. ft/gallon (depending on the method of application and porosity of the wood)	
Dry times:	60~90 minutes	
Storage life:	18 months in original package stored away from excessive heat/sunlight	
Storage conditions:	Protect from Freezing! Do not expose to temperatures below 5°C (+40°F) and above 100°F	
CLEAN-UP:	Tools should be cleaned with soap & water	
VOC Content:	242 grams/ltr. (2.02 lbs/gallon)	

ENVIRONMENTAL DATA

Handling: SYNTEKO Sealmaster 1600 is water based and the VOC content does not exceed 275 grams/ltr. However, general precautions normally taken when handling chemical products should be observed. Ensure good air circulation during use. **Keep out of reach of children.** Refer to MSDS for further information.

DISCLAIMER

Our information is based on laboratory tests and considered a guide in connection with choice of product and working method. As your working conditions are beyond our control, we do not assume any responsibility for the results. Our responsibility covers exclusively personal injury and damage to property, which actually have been proved subsequent to faults and defects in one of the products manufactured by us. Date: 07/09

