

TotalBoat Envy High Gloss and Satin Varnish -- Tech Data Sheet

SUPPORT PRODUCTS:

Thinner:	TotalBoat Envy Brushing Reducer
Cleanup:	TotalBoat Envy Brushing Reducer
Filter/Strainer:	Fine paint strainer
Brush/Roller Cover:	Solvent-safe foam brushes are fine for sealer and build coats; a high-quality, natural bristle brush is recommended for the final coat. High-density, solvent-safe foam rollers work for rolling.

SURFACE PREPARATION:

New Wood:	If stains are present on teak, clean teak with TotalBoat Teak Cleaner. Then, for teak and all other woods, the surface must be sanded smooth with 220- or 320-grit sandpaper. Wipe away any residue with a tack cloth and then a lint-free rag wetted with TotalBoat Envy Brushing Reducer before application.
Previously Varnished Wood:	Previous varnish must be a 2-part varnish in good condition. If previous varnish is in poor condition, remove old varnish and perform New Wood surface prep.
	Sand the wood smooth down to 320-grit sandpaper. Wipe wood clean with TotalBoat Envy Brushing Reducer. Apply Envy as directed.

MIXING:

General Mixing:	Add 2 parts Envy varnish Base to 1 part Activator by volume. Stir or agitate well for 1-2 minutes and allow 5 minutes of induction time before any reduction or application.
Sealer (First) Coat:	Reduction should not be needed for brushing, but 10-30% TotalBoat Envy Brushing Reducer can be added for increased penetration in porous wood.
Finish Coat:	The final coat may require 5-20% reduction with Envy Brushing Reducer for optimal flow and self-leveling properties. Do not reduce more than 20% on the final coat.

APPLICATION:

1:	Envy clear varnish has excellent self-leveling properties; do not overwork the varnish when applying. The wet edge working time is about 2 minutes.
2:	Envy can be overcoated without sanding for up to 12 hours. The overcoat window without sanding is between 4 and 12 hours at 77°F, or when the surface is dry. If the 12-hour window is not met, you must sand before overcoating. Always wait 24 hours between any application and sanding.
3:	Sand with 320-grit sandpaper or finer, and wipe the surface residue away with a lint-free rag wetted with TotalBoat Envy Brushing Reducer.
NOTES:	Sealer (first) and build coats can be applied by foam brush or roller. A high-quality natural bristle brush or high-density, solvent-safe foam roller is recommended for the final coat.
APPLICATION CONDITIONS:	The material and substrate temperature should be no lower than 45°F before, during, and after application. Do not apply paint materials to surfaces less than 5°F above the dew point, or to surfaces warmer than 125°F. Substrate temperature should be minimum 45°F to maximum 125°F. Do not apply when precipitation or dew may affect drying performance or finish appearance.
RECOMMENDED APPLICATION SCHEDULE:	Apply 2 coats on the first day, waiting 4 hours between coats. Wait 12-24 hours and sand lightly with 320-grit sandpaper, and apply 2 more coats, waiting 4 hours between coats. Continue this procedure until the desired number of coats have been applied. For the best finish possible, always sand directly before applying the final coat.

APPLICATION DATA:

Application Method:	Brush; Roll and Tip; Spray
Number of Coats:	Approximately 4-6
Film Thickness (per coat):	2-3 wet mils
Coverage (sq ft/gal):	960 @ 1 mil, 360 @ 3 mils (no loss)
Pot Life:	4 Hours at 72°F
Application Temperature/RH:	45°F to 125°F; 0-90% RH
Tack-Free Time to Recoat:	45 minutes at 72°F, 50% RH
Overcoat Without Sanding:	Up to 12 hours at 77°F

PHYSICAL DATA:

Vehicle Type:	Polyester-Acrylic Urethane
Components:	2 (2:1 mix ratio of Base & Activator)
Finish:	Clear, Ultra-High Gloss or Clear, Satin
Gloss (DOI):	>92% @ 60° (Gloss), 20-40% @ 60° (Satin)
Flash Point:	64°F (Base), 80°F (Activator), 136°F (Reducer)
Viscosity (Admixed):	20-24" ZAHN # 2
Solids (% by Volume):	60% (Admixed)
VOC (lb/gal):	.52 (Activator), 3.0 (Base), 7.68 (Reducer), 2.8 (Admixed)