TotalBoat Halcyon & Halcyon Clear Gloss Varnish -- Tech Data Sheet

SUPPORT PRODUCTS:

Thinner: Water
Cleanup: Soap and water
Filter/Strainer: Fine paint strainer

SURFACE PREPARATION:

New Wood:

* The surface must be dry. Remove all surface contaminants such as dust, oil, and grease by wiping the surface with a lint-free cheesecloth or cotton rag dampened with denatured alcohol.
* Sand the wood, with the grain, down to 220-320 grit sandpaper. Wipe clean with denatured alcohol and allow to dry completely.
* Apply the first coat of TotalBoat Halcyon.

Previously Varnished Wood:

* Remove all previous varnish layers in poor condition.
* Sand the wood smooth down to 320-grit sandpaper. Wipe the wood clean with denatured alcohol and allow to dry completely.
* Apply the first coat of Halcyon.

MIXING / REDUCTION:

1 Massaging and gently agitating the Pour Pak before pouring is the most effective way to mix TotalBoat Halcyon. Halcyon does not require a lot of heavy shaking or stirring to be ready for use.

2 Halcyon does not require thinning, even for the first coat. However, Halcyon may be thinned with water, up to 20% (maximum), to help create a desired flow.

APPLICATION:

1 Apply smooth, even coats (3-5 mils wet) of full-bodied material. If applied too thinly, the finish will not look glossy and rich. If applied too thickly, the varnish may sag or run. Depending on temperature and environmental conditions, you have only 45-90 seconds to maintain a workable edge, so it is recommended that you work diligently. Halcyon will not skin over in the cup while you're varnishing.

2 Recoat after 1 hour at 72°F, or when the surface is tack free. For up to 12 hours, Halcyon can be overcoated without sanding. After 12 hours, Halcyon must be sanded lightly with 320-grit sandpaper, or it will not flow properly over the previous coat.

3 For best results, use 320-400 grit sandpaper before the final coat to remove any dust or inconsistencies in the varnish. CAUTION: After sanding, solvent wipe with denatured alcohol.

4 For new wood, build a minimum of 2-3 coats. More coats will improve gloss finish and depth of the grain.

NOTES: Halcyon will cure when the product, substrate (application surface), and outside/ambient temperatures are between 50 and 90°F. If possible, avoid applying or curing the material in direct sunlight. Do not apply varnish to surfaces warmer than 90°F or colder than 50°F.

RECOMMENDED MAINTENANCE: Once cured, Halcyon can be cleaned regularly with mild soap and water. For any scratches or damage that may occur, tape off around the area and sand lightly with 320-grit sandpaper until the damaged varnish has been sanded away. Remove any sanding residue. Apply 2-3 new coats of Halcyon to the area. Remove the tape and sand the general area with 320-grit sandpaper until it is a consistent height. Apply one coat of Halcyon over the area to cover the repair.
YEARLY MAINTENANCE: TotalBoat Halcyon will maintain the best finish with just 1-2 maintenance coats each year. Start by cleaning the old varnish with a clean, lint-free, cotton rag wetted with denatured alcohol. Allow to dry. Sand the surface lightly and remove any sanding residue. Wipe the sanded surface with a new, clean, lint-free, cotton rag wetted with denatured alcohol and allow to dry. Reapply 1-2 maintenance coats, as directed.

ACCELERATED APPLICATION: A maximum of 5 coats of Halcyon can be applied per day, if desired. Always wait 12 hours between applying Halcyon and sanding.

APPLICATION DATA:

Application Method:	Brush, Roll and Tip, or Spray
Number of Coats:	2-3 minimum
Film Thickness (per Coat):	3 mils wet
Thinner/Reducer:	Water (up to 20%, but is usually not needed)
Cleanup:	Mild soap and water
Wet Edge Working Time:	45-90 seconds @ 72°F
Coverage:	80-100 sq. ft./quart (3 mils wet)
Application Temperature/RH:	50°F to 90°F; 0-90% RH
Tack-Free Time to Recoat:	1 hour @ 72°F
Overcoat Without Sanding:	Up to 12 hours

PHYSICAL DATA:

Vehicle Type:	Water-based polyurethane
Components:	One
Color :	Halcyon - Clear gold/amber Halcyon Clear - Clear, with very slight amber undertones
Finish:	Gloss
Gloss (DOI):	90% @ 60º, 77% @ 20º
Flash Point:	Greater than 200ºF
Solids (% by Weight):	24-28%
Solids (% by Volume):	23-27%
VOC Content:	Less than 75 g/L

REVISION DATE: June 27, 2018

TOTALBOAT