STICK FAST™

CA WOOD FINISHING SYSTEM

Stick Fast CA Wood Finish is specially formulated with an extended application time of 50 to 60 seconds and slightly flexible making wood finishing with cyanoacrylate easier, and faster. This high build flexible coating formula creates an extremely durable finish with a high gloss. The level of gloss achievable is variable from satin to high gloss depending on the number of coats, the type of sanding or polishing. There are many application techniques being used for CA finishing and this new CA Wood Finish can be used for all of them.

Stick Fast CA Wood Finish is available in two viscosities Thin: 20 cps and Medium: 300 cps.
To accelerate the slow curing formula after application we recommend using our Aerosol CA Activator with a superior mist application that is specially formulated to cure all cyanoacrylates instantly and leave a smooth surface.

Stick Fast CA Polish is a unique non-wax and non-silicone cutting compound without grit. The Satin polish buffs out to approximately a 1,500 grit finish and the Gloss polish to a glass like surface. Both can also be used to polish acrylics.

Stick Fast Aerosol CA Activator
Specially formulated for direct application on CA and can be used for all CA accelerator applications.
Available in 3 Fl oz, 7.5 Fl oz, and 12.5 Fl oz cans.

Stick Fast™ CA Wood Finish Application Techniques

Various application "Tools":
* Blue shop type paper towel: fold into application pads.
* Nitrile glove: to protect hands.
* Abrasives: Abranet mesh abrasive by Mirka.
* CA DeBonder: for clean up and removal from skin.
* Safety glasses: for all application steps.

Basic Technique:
To quickly achieve a high build coating we recommend NOT SANDING BETWEEN COATS and always use Aerosol CA Activator after each coat. Occasionally sanding the first sealing coat is desirable if the wood fibers lift and the cured surface is rough to the touch. Using the CA Wood Finish for all coats provides a smoother and quicker build up than using our regular CA. After 3 to 5 coats of CA Wood Finish final leveling sanding can be done without removing all of the CA Wood Finish from the surface and then followed by polishing.

Abrasives:
Unfinished wood can be sanded with your preferred abrasive to at least a 400 grit. For sanding the CA Wood Finish to level all surface areas prior to final polish we recommend the Abranet 400g mesh abrasive. This long lasting net like abrasive greatly reduces the heat build up during sanding that might cause the CA Wood Finish to gum up on the abrasive or surface of your project. If this does happen light hand sanding with fresh abrasive with the grain will remove the excess CA.

1. Sand wood to 400 or higher grit. Wipe or blow dust off.
2. Apply CA Wood Finish Thin to seal wood.
3. Apply light mist of Aerosol CA Activator.
4. Sand lightly with Abranet 400 grit abrasive only if surface is rough to the touch.
5. Apply CA Wood Finish Medium for next 3 or more coats, applying a light mist of Aerosol CA Activator between coats and after last coat. If deep rough wood grain or voids are in the wood that cannot be sanded out or filled with coating fill the low spots with direct application without turning on lathe. Continue coating until all voids and grain are filled; voids or grain will collect polish white spots.
6. After final coat sand/level surface with 400 grit Abranet until smooth with no shiny spots, grain or voids on the CA. A shiny area indicates a low point and will collect polish.
7. Satin Finish: apply Satin CA Polish with a paper towel or soft cloth. The polish will buff out to a dry powder.
8. High Gloss Finish: If higher gloss is desired after using the Satin CA Polish apply Gloss CA Polish with a paper towel or soft cloth as you did the Satin CA Polish.

Recommended lathe RPM speeds for coating applications:
- Generally the larger the project the slower the RPM
- CA Wood Finish coating: 300 - 1000 RPM; slower to keep the CA from spinning off while wet and reduce friction heat.
- Final sanding and polishing: 1000 - 1800 RPM

CA Wood Finish Application: Minimize application time; going back over creates friction heat that might prematurely cure the CA before coat is complete and create ridges. It is better to apply one smooth application then use activator and then recoat.

For more information and video see our website

www.StickFast.net

3-1-2012

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SUPPLEMENTAL TECHNIQUES

Additional Tips & Tricks

There are many different techniques on how to apply CA Wood Finish to create a durable deep high gloss to wood. Stick Fast CA Wood Finish properties achieve this and make the application process much easier than regular CA. Our basic techniques booklet gets you started but there are some problems that can arise with some "difficult" wood. This booklet of "supplemental techniques" helps solve common problems during the finishing process of difficult wood.

The main objective during CA Wood Finishing is to end up with a smooth CA surface free of all voids or grain lines. Once this has been achieved the CA Wood Finish can be easily polished to a deep gloss.

Disclaimer

This supplemental information may be considered obvious to some, "Too Much Information" to a few, and others will find different techniques that are better for them. Our attempt is to give you tips on how to achieve professional results on every project regardless of the type of wood you use.

Most common problem: rough grain or voids

The key to a good CA Wood Finish is to make sure all voids, grooves and grain are filled so that the final sanded CA surface is completely smooth and level. As a reminder: always apply Aerosol Activator after each coat of CA Wood Finish so the next coat will go on clean and relatively smooth.

Apply extra initial coats of CA Wood Finish Thin - without sanding between coats - to get into the holes. Then apply extra coats of Medium - without sanding between coats. This will fill most voids and rough grain enough to sand level. This will take a little more time but for difficult wood, it is well worth it.

For wood that has larger voids or rougher grain: First apply an overall coat of CA Wood Finish Thin to seal the wood. Then local applications of CA Wood Finish Thin to pin hole voids and CA Wood Finish Medium to larger low spots as soon as they can be identified. Then apply several overall coats of CA Wood Finish Medium… finally sand level with the Abranet. Low spots or voids can be identified after sanding if the CA Finish still has shiny un-sanded areas in grain lines or white spots of CA dust that have gone into pin holes or voids. If there are low spots that cannot be sanded out without going completely through the initial coats of CA Wood Finish, re-apply locally on these areas with CA Wood Finish Medium. First wipe or blow off any CA dust before re-applying so your additional coats go on clear. Try to keep the local spot application as level as possible and use activator between applications. Then after all void filling, apply additional overall coats and sand to re-level.

Filling extra large voids and cracks:

It is always better to fix your wood voids as early in the process as you can. A technique that works very well on large voids that may even go down to the brass tube: After initial rough shaping, locally apply CA Wood Finish Thin in the void then fill the void with sawdust. Next apply CA Wood Finish Thin to saturate the sawdust. Then turn the pen blank as you normally do to size and shape, finishing as you normally would.

Sanding:

The CA Finish will not go on completely smooth so sanding will always be required. Even a roughly applied CA Finish can be sanded smooth (leveled) ending up with excellent results. Localized light horizontal hand sanding can be effective to smooth some difficult areas. However, if you go to bare wood the wood may become lighter in that area. If you sand too much consider completely removing all of the CA Wood Finish and start the finishing process over.

- Avoid sanding at high RPMs. Abranet is great for CA sanding but still can create enough heat to turn the CA Wood Finish into a gummy mess. If it is too hot for your fingers during sanding - it is too hot for the CA. This gummy CA can be removed with horizontal hand sanding.
- Hand sand horizontally to remove all spiral sanding marks.
- After removing pen blank from the bushings, hand sand the ends, on end, in a circular motion with sandpaper placed on a flat surface.
- Try to avoid sanding the bushings while sanding the CA Finished wood… metal from the bushings may imbed into the CA making it black.

Bushing stuck onto finished pen blank

Remove the finished pen blank from the mandrel and tap the stuck bushing end on a metal surface to break free. Sand ends smooth with a circular motion.

Consider using plastic cone bushings on the mandrel during the CA finishing process. CA will not bond to most plastics. As a different technique: a 60 degree cone live center and dead center can be used for shaping your pen blank and finishing without using a mandrel or bushings but requires a caliper for end sizing.

Applying too much CA Wood Finish per coat

Until you become proficient it is better to apply more light coats than fewer heavy coats to keep the surface smoother making it easier to level sand. The initial coat or multiple coats of Thin can be easily applied using a continuous flow on the paper towel to the wood. Medium is easier to control by applying a small puddle of CA to the paper towel then apply left to right - activator - then right to left - activator..., to even out the applications.

Pen blank ends too "proud" (too large diameter) for pen kit

If you are looking for a perfect fit - the CA Wood Finish adds a little extra diameter to the wood. Depending on the pen kit, having the ends slightly smaller than a standard bushing size before applying the CA Wood Finish will solve that problem.

For more information and video see our website
If you have a technique you would like to share with others please let us know and we will post it on our website

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8-14-2012