

The TT's Top Turning for this week



Determination, grit, tenacity, stickability...all these virtues got thrown at this project. Top marks to its maker **ALEX**. There were some serious issues with the initial resin work but our Alex never gave up at any stage throughout the project. The outcome is simply stunning and worthy of this week's top "Goodonya" award.



(Left) **RIC** had a shot at making a swing-lid pot and, (right) **GARY** applied a beaded surface to his small rewarewa wood bowl. These two club members are becoming quite inventive while having fun with their new lathes in their home workshops.



DAVID Rose managed to include three small rings of coloured resin to the stem of his tulip vase. A feature of this project was the application of some astute problem solving skills to complete the job.

JACOB made his first bowl from a block of macrocarpa wood.

What an excellent start for this new woodturner.

A great finish applied too.



MALCOLM is developing a keen eye for shape as demonstrated in his classic Grecian urn turning.

Another club member who can create a silky smooth finish.



Left (Kahikatea) Above (Red beech).
COLIN never seems to run out of ideas for turning projects making the best use of the wood available.



More about GLUES for woodturners

Most woodworking projects require some gluing-up. With the variety of glues on the market, how should you know which one is right for the job?

The answer **depends on what you are gluing up, and how the finished project will be used.** Here's a list of some of the most popular types of glue.

PVA Glues

This poly-vinyl acetate (**PVA**) glue is great for many basic woodworking projects. It's cheap, non-toxic, readily available, cleans up with water, has a modest tack – thus allowing you to move it a bit as you clamp your project – and, once cured, is quite strong.

The first glue most people reach for in the workshop is carpenter's glue, which is a **yellow aliphatic resin** that is part of the PVA family of glues. This tried-and-true staple of the woodshop has been around since the first half of the 20th century. You'll often see this product sold as Tite-Bond, Elmer's Carpenter's Glue, and under other trade names. The important thing to be aware of is that even in the family of yellow wood glues, there are a variety of products with specialized uses.

Let's take a look at the popular Tite-Bond line of yellow wood glues and how they vary:

- **Tite-Bond 1:** sets quickly, strong initial grab, indoor use only
- **Tite-Bond 2:** sets quickly, strong initial grab, water resistant, can be used indoors or out, approved for indirect food contact (such as cutting boards, bowls, etc.)
- **Tite-Bond 3:** waterproof, sets slowly (great for complex glue-ups), lower application temperature (great for cold workshops)

***Tutors note:** Make certain that you use the right sort of PVA for the job you are doing.*

CA Glue

Cyanoacrylate (CA) glue is often referred to by one of its trade names: Crazy Glue, SuperGlue, and others.

It is most often used for small repairs, particularly when carving or turning.

This glue dries quickly and forms a stiff, plastic-like bond.

The liquid form of this glue can often run, but the glue is also available as a gel that stays in place better.

Tutor's note: *"Starbond" brand available from Terry Scott (Timberly), is very reliable and totally effective. Be careful not to get this stuff on your fingers as you will be bonded!*

Epoxy

Epoxy is a two-part glue that is mixed together and can handle a multitude of projects.

Epoxy is available in various forms that allow it to cure fast or slow, and in a wide range of temperature and moisture conditions.

It is often used to fill gaps or to consolidate damaged wood, for example.

This tough glue is also resistant to rain/weather, UV light, and heat, and adheres well to a wide range of substrates.

When using epoxy, work in a well-ventilated area, mix the glue in small batches, and be aware of how much of each resin you are mixing together.

Tutor's note: *I select my epoxy from the well-stocked shelves at Bunnings. This glue is available in various curing times.*

Epoxy is also available from the two-dollar shop....BUT.... beware..... the glue is not always fresh and has often not performed to expectations.

Polyurethane Glue

Polyurethane glue is very durable and is often referred to by the trade name "Gorilla Glue."

It cures in the presence of water.

You'll want to wet the two mating surfaces before applying this glue. It bonds well to wood and many other materials, including plastic, metal, fabric, and others.

This glue tends to expand as it cures, and is very hard to remove, so make sure any glue squeeze-out is quickly removed or directly applied to a place where it will not be seen.

This glue is a great choice for outdoor furniture applications and places where you need a very strong bond.

Tutor's note: *Do note especially the advice about wetting the two mating surfaces.*

Hot Melt Glue

Hot melt adhesive (HMA) or simply "hot glue" is great for temporary jigs and fixtures.

The glue comes in a cylindrical stick that is fed through a "glue gun" with an electric heating element that melts the glue.

As you pull the trigger on the gun, glue is dispensed.

This thermoplastic glue cools and sets quickly, and can be removed either by popping it off or by heating it with a heat gun or a similar heat source.

Tutor's note: *This glue is great for bonding a temporary sacrifice block to act as a spigot in a range of projects.*

Hide Glue

Hide glue is made from rendered animal collagen and is one of the oldest known forms of adhesive.

Traditionally, "hot" hide glue comes in small granules that are melted in a double boiler and applied while warm.

As the glue cools, the bond gets stronger. Once cured, this glue produces a strong bond that is on par with modern PVA glues.

Tutor's note: *This glue has almost disappeared from home workshops as other glue types have pushed it aside. The last time I used this glue was at secondary school and that's more than a couple of years ago. Do you remember when disgruntled punters who backed racehorses suggest that the slow ones should be sent to the "glue factory"?*



FOR SALE (on behalf of a neighbour).

These pieces of kauri have been in storage for many years so they are dry and ready to use.

The two bits at the back will yield some smaller lengths.

The square block on the left is the pick of the bunch and will give up three good-sized slabs for bowl or platter making.

The two square bits in front have been cut across the end grain.

Make an offer. No reasonable offer refused.

Call me**CLIVE**

WORLD CUP: Go the ALL BLACKS