

LIGHTING THE WAY WITH ROKET UV

John Bristow teams up with Steve Underwood to show us some popular uses of Rokat UV, the ultraviolet light activated adhesive from Deluxe Materials

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If you want to save time building models and ensure a crystal-clear bond, then look no further than Rokat UV from Deluxe Materials. This adhesive cures in as little as one to three seconds when activated by ultraviolet (UV) light using the torch supplied.

It is odourless in use and so is ideal for specific tasks in R/C modelling that require careful positioning and a strong hard cure on demand. It allows parts to be positioned correctly before it is cured. Rokat UV bonds hard plastic, GRP, wood and metal and has many advantages over other glues.

It is rapid curing in seconds and is tack free with a smooth surface.

The adhesive can be painted after curing.

It is different to a cyanoacrylate in that:

- It sets only when you apply the UV light, so you have full control.
- It sets solid from the inside out (CA bonds from the outside in).
- Unlike CA it will not cure inside joints or continue to cure through joints as cyano or white glue would.

HOW IT WORKS



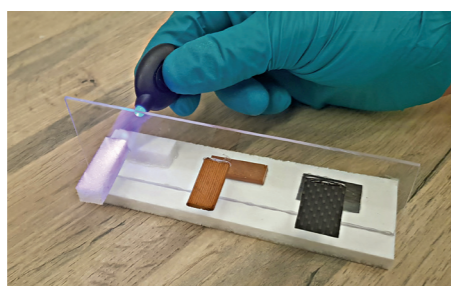
Each Rokat UV pack comes complete with 5g of adhesive and a small torch on a frequency that is tuned to the glue.



It's as easy as 1, 2, 3 or Apply, Light, Set! Just apply glue to the parts that need bonding, activate with the torch and you have an instant bond.



Supplied in two sizes, Rokat UV 5g AD 88 has its own UV torch and AD 89 is a 20g top up bottle of adhesive only.



Here we show how the adhesive bonds three types of materials. The ends of these foam, wood and carbon test pieces have been coated in adhesive. Then they are simply brought up to touch the clear plastic and lit with the UV torch. (Note that some clear plastics may prevent light penetration from completing the cure.)



Rokat UV saves time when attaching clear canopies, which can be tricky to hold in just the right place. Just apply the glue and light.



Here we are lightly tacking a carefully cut canopy in place prior to a final application of R/C Modellers Canopy glue. After the canopy glue was set, we taped up the joint.



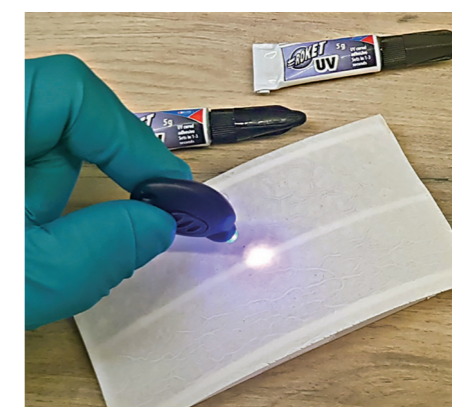
Left & above: Fabrication of small bulkheads using composites such as carbon sheet can be tricky, so a spot of Rokat UV is ideal for tacking composite parts in just the right place. Aero-Tech epoxy is solely designed for bonding composite materials such as carbon fibre sheet. With the bulkhead tacked in place using Rokat UV the epoxy can now be easily applied.



Rokat UV is ideal for joints that need a precise cure on demand, like this tailplane that needs to be held in careful alignment while the final glue joint cures. Here we are setting the tailplane in just the right place with a small spot of UV before securing the joint with Aero-Tech epoxy.



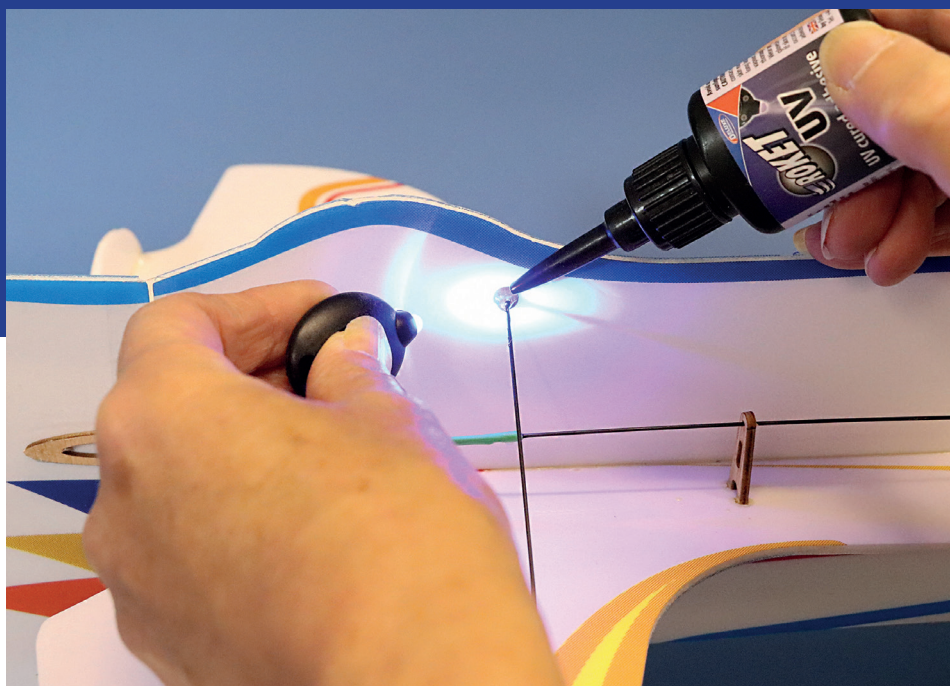
Above & above right: Rokat UV is foam safe. But use no more than is needed to tack a joint as a small amount of heat is generated as it sets. Depending on the foam thickness the UV torch is still effective when shining through it.



Rokat UV is also ideal for tacking wood. Here is a servo tray that needs seating in just the right position. You only need to apply a small drop before using the torch.

“This adhesive cures in as little as one to three seconds when activated by UV light”

“...apply glue to the parts that need bonding, activate with the torch and you have an instant bond”



Left: Re-mounting a loose carbon rod on a foam shockie is easy with ROKET UV. Simply apply adhesive at the precise point, then use the UV light to instantly trigger the cure. This ensures that you attach the carbon rod in exactly the right place.



Above: Sometimes the original foam may be too weak to reattach the rod. So here we have added a small pad of foam as a new mount for the carbon rod. Simply apply light and it's done in an instant - and you decide when! Thank you, ROKET UV.

“Roket UV is foam safe”

My thanks to Steve Underwood for his ideas and help with the photographs. If you have a use for Roket UV, then why not send Deluxe Materials a photo?

Supplied in two sizes, Roket UV 5g AD 88 has its own UV torch and AD 89 is a 20g top up bottle of adhesive only, costing around £10.00 and £13.00 respectively. Deluxe Materials products are distributed to all good hobby shops by Ripmax Ltd in UK and Horizon Hobby in North America. In case of difficulty, you can buy it direct from deluxematerials.com or telephone #44 (0) 1529 455 034 ✈