

Using Rokat Cyano-acrylate Adhesives

Part 1 Hints and Tips

Cyanoacrylate has become one of the most versatile adhesives for the modeller. This month we look at the Rokat range, which is rapidly establishing itself as a leading brand.

- 1. Opening the bottle:** Release any pressure inside by holding the bottle away from your face. Hold the bottle tip against a solid surface when you cut the tip.
- 2. Maximum bond strength:** Don't leave a joint open for too long. Don't reposition a joint. When using thick grades Rokat Rapid / max, apply glue to one surface and "squash" glue into a thin layer. Add a fillet of Rokat Max and cure with a quick spray of Rokat Blaster.
- 3. Avoiding clogging:** Before replacing the cap set the bottle on to a hard surface to knock back any remaining ca into the bottle and then squeeze the bottle to blow any air through. Use Micro-tips to dispense thin grade Rokat Hot.
- 4. Treating accidents:** Bonded Skin Use warm soapy water and a spoon to release bonded fingers. Glue Buster can also be applied, then roll fingers gently together. Swallowed Ca; it is almost impossible to swallow as it rapidly polymerises. It will break down in the body. Eye lids; don't try to release; use gauze with warm water. Don't attempt to release the bond. It will release in 3 or 4 days. Treat burns: if a large amount has been spilled, allow it to solidify, release and treat as normal burn.
- 5. Using Rokat Blaster Kicker:** Use only when needed, as it will tend to slightly reduce bond strength. Avoid breathing its vapour.
- 6. Bonding foam:** To be sure use Rokat odourless grade on one surface of EPS Depron foams. Bring dry surfaces previously treated with foam blaster together for fast bond. Rokat rapid and max may bond other types of foam e.g. on EPP, EPO but check on scrap beforehand.
- 7. Avoiding blooming:** Blooming is un-reacted superglue that reacts with moisture in the air to spoil surfaces. Use the odourless grade; avoid gluing in areas where there is damp or moisture. Use minimal glue and apply in uniform manner.
- 8. Filing gaps > 0.5mm:** Use Rokat Max with Rokat Blaster to cure the glue. For larger gaps pour in Rokat Powder and add Rokat Hot ca.
- 9. Bonding smooth plastics:** Abrade surfaces and use Rokat Blaster to assist bonding smooth surfaces such as polycarbonate acrylic and other clear plastics.
- 10. Storing Rokat Glue:** Heat and moisture degrade ca shelf life. Unopened bottles can be stored in the fridge but should be allowed to return to room temperature before use. Store opened ca in a cool dry place away from the light.



Part 2 The Rokat Range



Rokat Hot: Acetone viscosity that wicks deep into joints by capillary action and cures in seconds. Surfaces need to be tight fitting and held together while it is applied. A vapour may be seen as it sets that might irritate the eyes and nose.



Rokat Rapid: Medium viscosity grade ca where you apply the glue to one surface and bring the other surface to it, holding for 5- 10 seconds. Use pressure to spread the glue through the joint.



Rokat Max: High viscosity ca for loose fitting joints. Apply to one surface and hold pieces together for 10-20 seconds, using pressure to spread the glue through the joint. Use to make strengthening fillets. For large areas lay down small beads of glue again using pressure to spread the glue.



Rokat Odourless: A non- fuzzing grade that takes a little longer to set. There are no fumes and it will not fog clear plastics. Use a smaller quantity of ca glue applied to one surface and Foam Blaster (a milder accelerator) applied to the other. These measures will avoid any excessive heat that maybe generated during the curing process.

Rokat Blaster: A powerful alkaline catalyst that accelerates the cure of thick layers of ca e.g. that is extruded from joints. Store it away from bottles of ca and keep away from light.

Micro tips and tubing: Kit of PTFE micro bore tubing & 6 tips for anti clog application of Rokat Hot. Use tips alone for Rokat Rapid and Max to avoid cutting the ca bottle itself.



Foam Blaster: A slightly less active foam safe catalyst that accelerates the cure of foam safe ca without excessive heat.

Rokat Powder: Mobile filler powder unlike microballons that flows like water to perfectly fill gaps and sets ca glue making joints stronger than ca alone.

