

Super Glue G101

Bardahl Super Fix G101 instant Super Glue is a thin to semi-thin ethyl cyanoacrylate-based glue. It is specially formulated for very strong bonding of most plastic, rubber, metals and other common materials. Very suitable for assemblies with a very narrow fit and smooth surfaces. The G101 meets the MIL-A specification.46050C

- Produced under ISO 9001 and QS9000
- Excellent shelf life
- Immediately usable
- Can be used at high temperatures
- Very economical to use
- Low smell, leaving no white haze
- Cyanoacrylates have good chemical resistance

Properties

Color	Blank
Fill	0.15mm
Basic material	Ethyl
Viscosity cPs	100
Tensile strength	21N/mm ²
Temperature range	-54° tot 82°C
Drying time	20 sec.
Full curing	24uur
Mil-A-46050C	Type II
Class 2	

Manual

Bardahl Super Fix G101 gives the best result when the parts to be glued are close together. The most common mistake is that one applies too much glue. Minimal use of the product will significantly reduce the drying time, with larger surfaces and /or use of more product, the drying time will be longer.

Cyanoacrylates harden under the influence of the residual moisture in both substrates and the environment. Too little moisture can shorten the drying time as well as too low a temperature.

Curing vs. substrate

The drying time also depends on the type of material that needs to be glued. Paper and leather need a longer drying time than e.g. div. plastics and rubbers. Plastics such as polyethylene, polypropylene, PE and PET should be primed in advance.

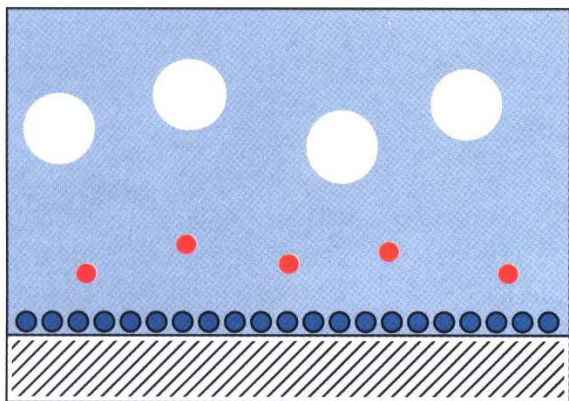
Directions for use

Because the drying time is very short, it is best to prepare the parts as they should be glued as a precaution. Lubricate one surface and press it well against the other surface until it remains at its own strength. In general, with minimal use of the G101, excessive use results in slower drying time and less strong bonding.

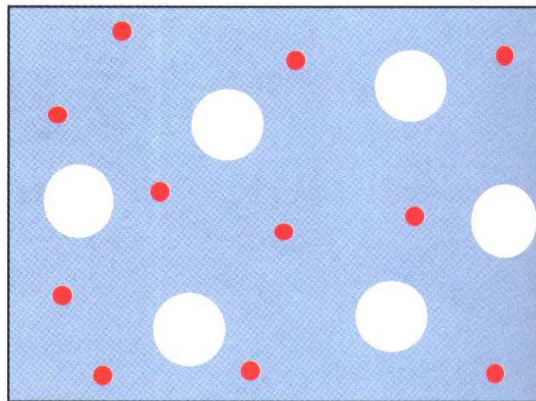
Storage: Store in a cool environment and removes keeping direct sunlight.

The action of cyanoacrylates

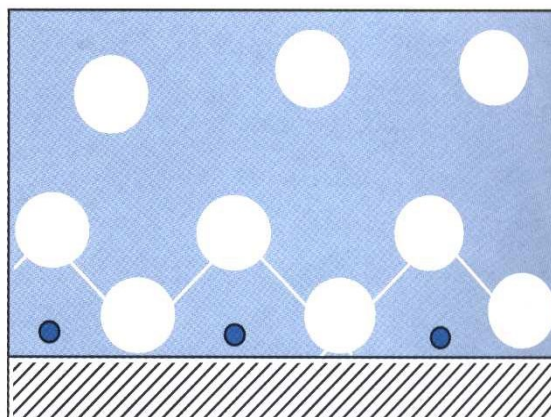
The curing process of Bardahl's cyanoacrylates is unique. No heat, activator and/or solvent are used. Bardahl cyanoacrylate is kept stable by means of an acidic stabilizer that prevents drying of the glue molecules and thus keeps them liquid in the bottle.



Polymerization occurs when the cyano, acrylic molecules change from a liquid substance to a hard structure. During polymerization, a chain of molecules is formed on the surface. Bonding is achieved by attracting the molecules of the material being glued. These links form a complex unit that creates bonding between two surfaces.



When the adhesive is applied to the surface, the stabilizer is neutralized by the alkalinity of the substrate or by the residual moisture. Microscopic amounts of moisture are always present on surfaces that come into contact with the outside air.



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