

702 HV

Super Glue Cyanoacrylate

1 – Description

702 HV SUPER GLUE is a general industrial grade Cyanoacrylate adhesive with fast setting, and good flow ability. It has been specially formulated to achieve the strongest possible bond between well mated, non-porous surfaces, such as rubber O-rings as well as other rubber and plastics parts. 702 HV SUPER GLUE is a one-component, solvent-free system and does not require the use of a catalyst, heat or clamps. When a thin layer of 702 HV SUPER GLUE applied between two surfaces comes into contact with atmospheric moisture, a rapid polymerization occurs producing the ultimate bond.

2 - Properties & Features

- Immediate bond
- Very high bond strength after a few seconds.

3 - Fields of Application

Suitable for glass, rubber, metals, ceramic and many plastics.

4 - Product Information

Packacking	Gw 65 gr
Shelf Life	12 months
Storage Conditions	Store in cool and dry conditions between +5°C and +25°C

5 - Technical Data

	Method/Conditions	Value
Basis		Ethyl Cyanoacrylate
Consistency	ISO 7390	Liquid
Density	ISO 1183-1	1,10 g/ml
Color		Colorless
Vapor Pressure		<1 hPa
Viscosity	ASTM D1084	80 – 120 Cps
Refractive Index		1,439 n D 20

Curing Performance: There are many factors that can influence the rate of cure. These include: the types of substrate used, the condition of the surface to be bonded, the smoothness of the surface, the closeness of the surfaces, the atmospheric conditions etc.

Substrate	Cure Speed
Steel to Steel	10 – 30 seconds
Stainless Steel	30 – 60 seconds
Aluminum	5 – 15 seconds
Zinc plated	30 – 90 seconds
ABS to ABS	5 – 20 seconds
ABS to NBR	3 – 5 seconds
ABS to Wood	5 – 10 seconds
NBR to NBR	5 – 10 seconds
Wood	60 – 75 seconds
Polycarbonate	20 – 60 seconds
Wood	30 – 60 seconds

Adhesive Performance: After 24 hours at 25°C

Tensile Strength	
Steel	190 – 210 Kg/ cm ²
Stainless Steel	250 – 450 Kg/ cm ²
Aluminum	170 – 190 Kg/ cm ²
Copper	150 – 170 Kg/ cm ²
PVC	40 – 60 Kg/ cm ²
ABS	50 – 70 Kg/ cm ²
Polycarbonate	80 – 120 Kg/ cm ²
Polystyrene	30 – 45 Kg/ cm ²
NBR	5 – 9 Kg/ cm ²
SBR	5 – 10Kg/ cm ²

6 - Directions for Use

- Make sure the surfaces to be bonded are clean and dry (preferable to solvent-wipe plastics, glass, and rubber, and to acid-treat metals).
- Dispense a drop or drops to one surface only. Apply only enough to leave a thin film after compression.
- Press parts together and hold firmly for a few seconds. Good contact is essential. An adequate bond develops in less than one minute. (Maximum strength is achieved in 24 to 48 hours).
- Wipe off excess adhesive from the top of the container and recap 702 HV SUPER GLUE if left uncapped, may deteriorate by contamination from moisture in the air.
- Because 702 HV SUPER GLUE condenses by polymerization, sometimes whitening will occur on the surface of the container or the bonded materials. Should this happen, wipe surfaces well with acetone.

7 - Remarks & Restrictions

- **Cyanoacrylates should ideally be stored in original sealed containers until used.**
- **Avoid exposure to strong light and heat sources.**
- **Cyanoacrylates can bond to skin within seconds.**
- **Do not drip into skin or into eyes - can cause serious injury to your eyes.**
- **Use with proper ventilation. Avoid contact with skin and eyes.**
- **If contact with skin occurs, rinse with warm water or dissolve gradually with solvent such as acetone, or nitro methane. Do not try to remove forcibly.**
- **If adhesive gets into eye, keep eye open and rinse thoroughly. Seek medical attention immediately.**
- **Keep well out of reach of children.**
- **Keep adhesive in a cool, dry place 20-25°C.**

8 – Safety

Ensure good ventilation of the work station. Wear personal protective equipment. Do not eat, drink or smoke when using this product. Always wash hands after handling the product. Store in a well-ventilated place. Keep cool. Check MSDS guidelines for disposal and further information concerning safety.

9 – Disclaimer

The technical data contained herein is based on our present knowledge and experience and we cannot be held liable for any errors, inaccuracies, omissions or editorial failings that result from technological changes or research between the date of issue of this document and the date the product is acquired. Before using the product, the user should carry out any necessary tests in order to ensure that the product is suitable for the intended application. Moreover, all users should contact the seller or the manufacturer of the product for additional technical information concerning its use if they think that the information in their possession needs to be clarified in any way, whether for normal use or a specific application of our product. Our guarantee applies within the context of the statutory regulations and provisions in force, current professional standards and in accordance with the stipulations set out in our general sales conditions. The information detailed in the present technical data sheet is given by way of indication and is not exhaustive. The same applies to any information provided verbally by telephone to any prospective or existing customer.