

SUPER PRECISION

DESCRIPTION

Cyanoacrylate ethyl-alpha based adhesive, mixture of ethyl esters of cyanoacrylate acid.

PROPERTIES

- The medium viscosity of the adhesive provides extremely strong unions. Recommended for difficult surfaces.
- It depends less on the surface humidity of the areas to be joined so that the curing speed is very high.
- Very fast adhesive: adjustments after bonding are not possible.
- Fast polymerization when in contact with a great variety of materials, producing unions with a high tensile strength in a very short time.
- This product does not bond polyethylene, polypropylene, PTFE and silicone.

APPLICATIONS

This adhesive has been developed for:

- Bonding a great diversity of materials such as leather, wood, metals, porcelain, marble, plastics, rubber, glass, rubber, etc... the same material or combining these materials.
- Especially suitable for bonding porous surfaces or absorbents.
- Unions with leather for footwear industry.

TECHNICAL CHARACTERISTICS

- Properties of uncured material:

Ester base	Ethyl cyanoacrylate
Viscosity (Brookfield RVT, 20 rpm, Sp.1) at 23 °C	80-140 mPa s
Specific weight	Approx. 1,05 g/mL
Flash point	> 81°C

- Properties of the material when cured (24 hours, at 23°C and 55% de H.R.)

Filling capacity	0.07 mm
Temperature range	-54 to +82°C

Drying time	Balsa wood / Balsa wood	< 5 s
	Nitrile / Nitrile	< 5 s
	EPDM / EPDM	<10 s
	NBR / NBR	< 5 s

	Leather / Leather	< 5 s
	Steel / Steel	10 – 30 s
	Neoprente / Neoprene	< 3 s
	PVC / PVC	3 – 10 s
	Polycarbonate / Polycarbonate	10 – 20 s

Shear Strength	Peened steel	> 15 N/mm ²
	Aqua Fortis Aluminium	> 10 N/mm ²
	Nitrile Rubber	> 10 N/mm ²
	Polycarbonate	> 12 N/mm ²

Tensile Strength	Nitrile Rubber	> 5 N/mm ²
	EPDM Rubber	> 2.5 N/mm ²

INSTRUCTIONS FOR USE

For materials to be bonded perfectly, they must be previously cleaned. Also make sure that parts fit perfectly together. Then apply a very small quantity of SUPER PRECISION to one of the surfaces to be bonded, fit parts together and apply pressure for a few seconds. As too much adhesive will lead to less strong unions, it is recommended to use only minimal quantities of the products.

STORAGE

Stored in its original container and in a cool, dry place, this product maintains its properties according to the following chart.

CONTAINER	PREFERENTIAL PERIOD USE
PE plastic bottle	1 Year

If you want to store it for longer, keep it the fridge, between 5°C and 10°C. Never store in the freezer.

PRESENTATION

Visit our Web site www.unecol.com

CLEANING

Fresh product can be easily removed with a cloth.

SAFETY

For further information, see the safety data sheets of the product.

The above-mentioned data are based on our current knowledge. They should not be understood as specifications. The user is responsible for checking the suitability of the provided information to any particular use of the product.

