

# OLIVÉ A-40

## ADHESIVE SEALANT

Technical Data Sheet - Version 4.0 – February '19



### PRODUCT DESCRIPTION:

OLIVÉ A-40 is a sticker of transparent cyanoacrylate, high viscosity, which provides extremely tight joints resistant, almost immediately.

OLIVÉ A-40 is designed for a quick bonding of most materials used both in industry and for DIY, including many porous ones.

OLIVÉ A-40 require surface moisture on the substrates in order to initiate the curing mechanism.

### MAIN BENEFITS:

- Fast and strong adhesion on many materials.
- For smooth and porous surfaces.
- Gluing of materials with different elongations.
- Excellent chemical resistance to most oils and solvents.
- High mechanical resistance with little product.
- Precise dosing of the product.
- Excellent gap-filling capability.

### FIELDS OF APPLICATION:



OLIVÉ A-40 is used in the industrial market in those junctions where the surface don't need to be exposed to chemical or physical agents such as water or sunlight.

Ideal for assembly of interior equipment in vehicles such as indicators, displays, assembly of hidden parts, etc ...

Especially suitable for metals, porcelain, plastics, glass, elastomers, rubbers, etc., including porous materials such as wood, paper, cardboard or textiles.

### PACKAGING INFORMATION:

This product is available in 20g / 50gr tubes.

### COLOURS INFORMATION:

Translucent

### STORAGE:

The shelf life is 12 months in its unopened original packaging, in dry conditions and protected from direct sunlight at temperatures between +5°C and +25°C.

## TYPICAL TECHNICAL DATA:

Basis:		Ethyl cyanoacrylate
Colour:		Translucent
Density:		1,08 g/ml
Viscosity:		
- Range	<i>Brookfield LVF, spindle 3, 30rpm</i>	1275-1650 mPa.s (cP)
- Typical value		1500 mPa.s (cP)
Tensile strength:	<i>ISO 6922</i>	21 N/mm <sup>2</sup>
Fixture time:		5-60 secs
Full cure:		24 h
Flash point:		> 85°C
Max gap fill:		0,20 mm
Thermal resistance:		-50°C to +80°C
<b>Typical curing speed at 21°C (seconds)</b>		
Steel / Steel		< 60
ABS / ABS		< 20
Rubber / Rubber		< 15
Wood (balsa)		< 3

These values may vary depending on environmental factors such as temperature, moisture, and type of substrates. The time until complete curing may be reduce at lower temperature or in low humidity conditions.

## DIRECTIONS FOR USE:

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### Surface preparation and application:

#### A. Cleaning and preparation:

Substrates must be clean, dry, and free of dust, grease and other contaminant which may affect the adhesion. Use organic solvents (alcohol or MEK) to remove all contaminants. Never use soaps, detergents or water. Porous substrates must be mechanically cleaned from loose particles.

OLIVÉ A-40 adheres to most common materials without primer. Some plastics with very low surface energies such as PE, PP, PTFE (Teflon®) require the use of primer. A preliminary adhesion test is recommended on every surface.

#### B. Application:

If the use of an activator is necessary to accelerate the curing, apply OLIVÉ A-41 and let dry. The use of an activator can reduce the final bond strength by up to 30%.

Product is normally hand applied from the bottle. Apply the adhesive in small drops in one of the two surfaces. Apply in enough quantity so that it remains a thin layer when the pieces are assembled. Position and press firmly the pieces to join for a few seconds. A good contact is essential. Do not return excess product to the original container, It can be contaminated. The pieces must be positioned very precise, since there is a very short time manipulation for adjustment. Keep the unions subject until you notice that the adhesive has been fixed.

#### C. Curing:

The humidity starts the process of cured, developing a resistance in little time, although the benefits and resistances finals will be obtained after 24-48 hours.

The curing speed depends on the type of support, of the adhesive clearance applied (thicker, slower) and moisture environmental. For this reason in some situations the use of the activator is recommended.

Acidic surfaces such as paper and leather will have longer cure times than most plastics and rubbers. Excessive bond gaps will result in slow cure speeds and lower bond strength.

Cured sealant must be removed mechanically.

### Safety:

It sticks to the skin and eyes in seconds.

Keep out of the reach of children. In case of getting your fingers stuck, submerge in hot water and try to take them off progressively.

In case of contact with the eyes, keep them open and wash abundantly. Go to immediately to the doctor.

For a greater information, request the corresponding Sheet of Security.

## GUARANTEE INFORMATION:

Olivé Química warrants that its product complies, within its shelf life, to its specification.

If any responsibility were to be considered ours, this would be only for any damages and for the value of the merchandise supplied by us and used by the customer. It is over understood that we warranty the irreproachable quality of our products in accordance with our General Conditions of Sales and Supply.

### Liability

The information in this document, in particular recommendations regarding the application and final use of our products, are given in good faith based on our knowledge and is the result of tests and experience and are intended as guidelines. It is the responsibility of the user to determine whether the product is suitable for the application. Due to the great variety of materials and conditions, which are beyond our knowledge and control, we recommend carrying out sufficient previous trials.

The property rights of third parties must be respected.

**This TDS replaces and supersedes all previous data sheets on the same product.**

# Olivé

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