

# Instant Adhesive GP 1400

**Instant Adhesive GP 1400** is a high viscosity and fast reacting cyanoacrylate adhesive for most industrial applications. Particularly suitable for a wide range of bonding applications of rubber and plastics. Instant Adhesive GP 1400 is one-component, easy to handle and cures completely, it shows high stability at low temperatures.



## OVERVIEW

- curing at room-temperature
- solvent-free
- humidity-resistant and solvent-resistant
- silicone-free

PHYSICAL SPECIFICATIONS		
Properties	Unit	Value
Colour (visual):		colourless
Base:		Ethyl cyanoacrylate
Viscosity (at 25 °C):	mPa·s	1,000–2,000
Density (at 25 °C):	g/cm <sup>3</sup>	1.05
<b>Curing time:</b>		
ABS:	s	1–2
EPDM, neoprene, nitrile rubber:	s	<7
Balsa wood:	s	<10
Polycarbonate:	s	15–25
Steel:	s	25–40
<b>Shear strength:</b>		
Polycarbonate:	N/mm <sup>2</sup>	>6
ABS:	N/mm <sup>2</sup>	6–10
Aluminium, nitrile rubber:	N/mm <sup>2</sup>	>10
Steel:	N/mm <sup>2</sup>	>15
<b>Tensile strength:</b>		
Neoprene:	N/mm <sup>2</sup>	>2.5
EPDM, nitrile rubber:	N/mm <sup>2</sup>	>5

## PROCESSING

Cyanacrylate adhesives should be applied in drops out of dropper bottles or dosing equipment.

After application, join the surfaces under light contact pressure.

The adhesive's polymerization begins after just a few seconds.

The optimum ambient temperature for bonding is between +20 °C and +25 °C and a relative air humidity of 50–60%.

In cold conditions the curing speed can be very slow.

With Accelerator Spray GP (Art. No. 71020) the curing of the adhesive can be accelerated considerably, especially with large layer thicknesses, inactive materials (e.g. wood) and unfavourable processing conditions (e.g. very dry air or cold).

For precise and exact application we also offer dosing tips (e.g. Art. No. 7109000 ø 0.5 mm which can be shortened or Art. No. 7109500 ø 0.1 mm). These can be screwed onto the bottles with the Adapter GP for Instant Adhesive (Art. No. 7109900).

### Preparation of the adhesive surfaces

For perfect bonding a clean surface is required.

Generally, surfaces should be cleaned of oil, grease and dirt.

The bonding surfaces are best cleaned with a good grease solvent such as Acetone Spray (Art. No. 3066) or Isopropanol (Art. No. 30671).

## FORM OF DELIVERY

Description	PU	Article number
Instant Adhesive GP 1400	20 g bottle	71003.01
	20 x 20 g bottle	71003.20

## HANDLING PRECAUTIONS

### WARNING:

#### Cyanacrylate: Danger!

Bonds skin and eyes within seconds.

Keep out of reach of children.

Observe safety data sheet!

Safety data sheets can be found on our homepage under [www.goessl-pfaff.de](http://www.goessl-pfaff.de) in the respective product.

## STORAGE

Instant Adhesive GP 1400 should be kept at a storage temperature of 2 °C to 8 °C.

The expiration date is indicated on the product labels.

## INFORMATION

The information contained in this technical data sheet result from research and tests conducted in our Laboratories under precise conditions. It is the responsibility of the user to determine the suitability of Gößl & Pfaff GmbH products, under their own conditions before commencing with the proposed application. Application, use and processing of the products take place outside of our controllability and exclusively lie therefore in your area of responsibility. Gössl + Pfaff GmbH guarantees that the products agree with the respective specifications. Gössl + Pfaff GmbH does not take responsibility in damage or accidents, which can develop when using the products. The responsibility of Gößl + Pfaff GmbH is strictly limited to reimbursement or replacement of products which do not comply with the published specifications.