

TECHNICAL DATA SHEET

PENOSIL SpeedFix Cyano 007

PENOSIL SpeedFix Cyano 007 is an adhesive set which consists of high viscosity cyanoacrylate adhesive and activator which leads to a rapid bonding experience.

Main benefits

- Extremely fast bonding.
- High bonding power.
- Suitable for use on vertical surfaces as it will not drip or slump.
- Particularly suited to bond difficult substrates which have a porous or uneven nature since it increases the bonding strength by preventing the adhesive to be absorbed by the surface.

Fields of application

- It is suitable for bonding of a very wide range of materials, including acidic surfaces and some porous ones, where rapid bonding times are required.
- Suitable for MDF, wood, chip wood, rubber, most plastics, leather and other common substrates.
- Especially suitable for the applications where cure speed needs to be accelerated.
- It is generally recommended for use on close-fitting parts and fairly smooth surfaces.

Adhering

Adheres well to almost all surfaces.

Application instructions

Application conditions

Application temperature between +5°C and +35°C.

Surface preparation

The surfaces must be dry, clean from dust, loose particles, grease and oil. Non-porous surfaces should be cleaned with solvent and a clean, non-fluffy cotton cloth. Solvent excess should be removed before evaporating with a clean cloth.

Application method

One of the substrates need to be smooth and have a good connection area. Apply a drop on one of the substrates and use spray on the other one. Join substrates and press firmly for couple of seconds.

Cleaning

Wipe off excess glue immediately with a dry cloth. After curing, glue residue is very difficult to remove.

Technical data

Glue properties	Value	Unit
Basis	Ethyl Cyanoacrylate	
Consistency	Liquid gel	
Density (ASTM D1875)	1,05...1,07	g/ml
Flashpoint	>81	°C
Viscosity (ASTM D1084)	1200...1800	Cps (at 25°C)
Service temperature	-20...+70	°C
Activator properties		
Basis	Hexane	
Consistency	Aerosol	
Service temperature	-20...+70	°C

The values specified were obtained at +23 °C and 50% relative humidity, unless otherwise specified. These values may vary depending on environmental factors such as temperature, moisture and type of substrates.

Colour

Colourless.

Package

Glue 50 gr.
Activator 200 ml.

Storage conditions and shelf life

Guaranteed storage time 15 months from production date if stored in a closed original package in a dry and cool place between +5°C and +25°C.

Limitations

- Adhesion tests on any material are recommended before use.
- There is no adhesion to PE, PP, PTFE (Teflon®).
- Adhesion could be limited on some plastics with very low surface energies, which could require the use of a primer.
- Do not use the adhesive on glass fibres, polystyrene, or synthetic fibres.
- Do not use the adhesive on elements that will be in contact with food or to repair electrical devices.
- 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.
- Will become hard in container if not closed properly!
- Activator is flammable. Do not throw into fire!
- Activator box is pressured. Do not crush or drill!

Safety regulations

Ensure sufficient ventilation during application. Avoid contact with skin and eyes. In case of contact with eyes, rinse immediately with plenty of water and seek medical advice. Highly inflammable, keep away from sources of ignition, open fire, and do not smoke near the product. Keep out of the reach of children. More information is available on the product safety data sheet (SDS).

Note: The instructions in the present documentation are based on tests carried out by the manufacturer and are presented in good faith. Due to variations in materials and substrates as well as the various application possibilities that are beyond our control, the manufacturer is not liable for the results achieved. In any case, it is recommended to test the product suitability at the place of application. Manufacturer reserves the right to modify products without prior notice. This TDS replaces and supersedes all previous data sheets on the same product.