ROTORAMA

POWER CA PACK

Instant glue set 3 × 20 g (thin, medium, thick)
and PRO activator spray 150 ml · KAVAN



Cyanoacrylate. Danger. Bonds skin and eyes in seconds. The activator is an extremely flammable aerosol. Keep out of reach of children. Read this manual and the labels on the packaging before use.

User manual · www.rotorama.com

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1. Product description

1.1 Intended use

The set contains three **KAVAN POWER CA** instant (cyanoacrylate) glues of different viscosity – **thin, medium and thick** – and a **PRO activator spray** that speeds up curing of the glue. The glues are intended for model building and general use. They bond wood, most plastics including EPP and EPO, metals, rubber, glass, ceramics, cork and paper.

In RC and FPV modelling they are suitable for repairs and for bonding parts made of the materials listed above; as a typical use of the thin glue, the manufacturer names bonding RC car tyres to rims. The bottles can be told apart by the colour of the cap: **thin – red**, **medium – green**, **thick – black** (with a yellow label). Each bottle has an application tip.



POWER CA bottles: thin (red cap), medium (green cap), thick (black cap)

1.2 Technical data and package contents

Property	Thin	Medium	Thick
Cap colour	red	green	black
Viscosity	14–40 mPa·s	90–120 mPa·s	800–1200 mPa·s
Curing time [1]	3–20 s	5–30 s	5–40 s
Working time	not specified	7–10 s	30–40 s
Firm bond [2]	1–5 s	20–30 s	1.5–2 min
Net weight	20 g	20 g	20 g
UFI	HY3F-M0W0-6000-27M8	X14F-40KD-G00G-RK6A	844F-N08S-S00Y-DWSD

[1] Depends on temperature and on the materials being bonded. [2] Manufacturer's figure from the short product description.

Common properties of the glues	colour clear; density 1.04 g/cm³; optimum application temperature 23 °C; full cure after 24 h; optimum gap between parts zero

Cured glue is dissolved by	acetone, dimethylformamide, acetonitrile
Package contents	1× thin glue 20 g 1× medium glue 20 g 1× thick glue 20 g 1× PRO activator spray 150 ml
Not included	glue debonder, filler, spare and fine application tips, protective gloves and goggles
Product designation	KAVAN POWER CA PACK 3×20 g (thin, medium, thick) + PRO activator 150 ml, code KAV56.9956.CZ
Brand / stated on the label	KAVAN Europe s.r.o., Doubravice 110, 533 53 Pardubice, Czech Republic

2. Use

2.1 Before you start

- Read the safety information in Chapter 3 and the labels on the bottles and on the activator can.
- Work in a **well-ventilated area**, out of reach of children and pets.
- Protect your eyes and skin – wear **safety goggles** and gloves. Never point the bottle tip towards your face.
- The activator is **extremely flammable**. Do not smoke and do not work near open flames, sparks or hot surfaces (soldering iron!) when using it.
- Protect your work surface with a mat – the glue will bond it too. Keep a paper towel at hand.

2.2 Choosing the glue

Thin (red cap) – very low viscosity; the glue wicks into the joint of precisely fitting parts held together. Fastest curing.

Medium (green cap) – general-purpose type; you have 7–10 s to align the parts.

Thick (black cap) – highest viscosity and longest working time (30–40 s); suitable where you need to adjust the parts after joining them.

- **Suitable materials:** softwood and hardwood, particleboard, plywood, metals, ceramics, porcelain, fibreglass and carbon laminates, fibreglass and carbon fabrics and fibres, many plastics including EPP and EPO.
- **Unsuitable materials:** polystyrene foam, polyethylene, Teflon, silicone.
- According to the manufacturer, the different types of POWER CA glue can be mixed together to achieve the required viscosity.
- For use as a sealant, the manufacturer recommends a microballoon filler (KAVAN CA filler), which is not included.

2.3 Bonding procedure

① The surfaces to be bonded must be clean, dry and free of grease.

② The parts must fit together precisely – according to the manufacturer, the optimum gap is zero.

③ Hold the parts together and apply the glue to the joint (typical method according to the manufacturer). With the medium and thick glue, you can also apply the glue to one of the surfaces and join the parts – align them within the time given in Chapter 1.2.

④ Use only a small amount of glue. Excess glue does not make the joint stronger, it only extends the curing time.

⑤ Hold the parts still until the joint is firm. The joint reaches full strength after 24 h.

⑥ Wipe the tip with a paper towel and close the bottle tightly straight away.

2.4 Using the activator

The activator speeds up curing of the instant glue – it is particularly useful with the thick glue, with thicker layers and wherever you cannot hold the parts for long.

- Spray a thin layer of activator onto the bonding area – either onto one of the surfaces before joining, or onto glue that has already been applied. A small amount is enough.
- The activator may react with some plastics and painted surfaces. If in doubt, test it first on an inconspicuous spot.
- Spray only outdoors or in a well-ventilated area, never towards an open flame or other ignition source, and do not breathe the spray.

2.5 Removing excess glue

- **Uncured glue** can be wiped off with a cloth or paper towel moistened with a glue debonder (e.g. KAVAN CA Debonder, not included) or with acetone – use acetone only if the bonded materials resist it.
- **Cured glue** is soluble in acetone, dimethylformamide and acetonitrile.

3. Safety information and first aid

The product contains substances classified as hazardous under Regulation (EC) No 1272/2008 (CLP). The wording below is taken from the manufacturer's labels. **Always follow the label on your package.**

3.1 Instant glues (thin, medium, thick)

Warning. Contains: ethyl 2-cyanoacrylate. Cyanoacrylate. Danger. Bonds skin and eyes in seconds.

- May cause respiratory irritation.
- Keep out of reach of children.
- Dispose of contents/container at a hazardous waste collection point.

3.2 PRO activator

Danger. Extremely flammable aerosol. Pressurised container: may burst if heated. May cause drowsiness or dizziness.

- Keep out of reach of children.
- Keep away from heat, hot surfaces, sparks, open flames and other ignition sources. No smoking.
- Do not spray on an open flame or other ignition source. Do not pierce or burn, even after use.
- Avoid breathing spray. Use only outdoors or in a well-ventilated area.
- Protect from sunlight. Do not expose to temperatures exceeding 50 °C.
- Dispose of contents/container at a hazardous waste collection point.

The composition of the activator, the hazard pictograms and the UFI code may differ between production batches. **The information on the label of your can applies.**

3.3 First aid

- **Bonded skin:** do not pull it apart by force; soak it in warm soapy water and carefully separate it with a rolling motion.
- **Eye contact or bonded eyelids:** do not force them open. Rinse the eyes with water and seek medical attention immediately.
- **If inhaled:** remove the person to fresh air and keep them comfortable for breathing.
- **If swallowed or if symptoms persist:** seek medical attention and take the packaging or label of the product (UFI code) with you.

In the Czech Republic, information on poisoning is provided by the **Toxicological Information Centre** (Toxikologické informační středisko), tel. +420 224 919 293 or +420 224 915 402. Outside the Czech Republic, contact your national poison

centre; in a life-threatening situation, call 112.

4. Storage

- Store the glues in **tightly closed bottles** in a cool, dry and dark place, ideally at **+2 °C to +10 °C**. Do not expose them to temperatures below +2 °C.
- Under proper storage conditions, the manufacturer guarantees a **shelf life of 1 year** in the unopened original packaging, while maintaining the properties stated above.
- If the glue thickens, it has already partially polymerised and is losing its properties. No amount of “thinning” can restore it – if you need a thinner glue, use a type with lower viscosity.
- Store the activator away from heat and ignition sources, protect it from sunlight and do not expose it to temperatures exceeding 50 °C.
- Keep the glues and the activator out of reach of children.

5. Information for the EU and Czech Market

5.1 Importer and responsible person in the EU

The product is placed on the European Union market by the importer stated below, who is at the same time the responsible person within the meaning of Article 16 of Regulation (EU) 2023/988 of the European Parliament and of the Council on general product safety (GPSR).

Importer / responsible person in the EU	Rotorama, s.r.o.
Company ID (IČO)	051 57 692
VAT ID (DIČ)	CZ05157692
Registered office	Okrajová 1351, 674 01 Třebíč, Czech Republic
E-mail	info@rotorama.cz
Phone	+420 252 252 098
Website	www.rotorama.com

5.2 Disposal

- Take residues of the glues and the activator and their packaging **to a hazardous waste collection point** (e.g. a municipal collection yard). Do not dispose of them with mixed household waste and do not pour them into drains.
- Do not pierce or burn the activator can, even when empty.
- These disposal instructions describe the situation in the Czech Republic. If you use the product in another country, follow the regulations of the country in which you use and dispose of it.

6. Warranty and rights arising from defective performance

The rights and obligations of the contracting parties are governed by Czech law, in particular by Act No. 89/2012 Coll., the Civil Code, and Act No. 634/1992 Coll., on consumer protection.

- The seller is liable to the buyer for the product being free of defects on receipt. If the buyer is a consumer, a defect may be notified **within two years of receipt** of the product (Section 2165 of the Civil Code).
- If a defect appears within **one year** of receipt, the product is deemed to have been defective already at the time of receipt (Section 2161(5) of the Civil Code).
- When purchasing online, a consumer has the right to **withdraw from the contract within 14 days** of receiving the goods without giving a reason (Section 1829 of the Civil Code).
- Claims should be made with the retailer from whom you purchased the product. The importer's contact details are given in Chapter 5.1.
- The competent body for out-of-court settlement of consumer disputes is the **Czech Trade Inspection Authority**, Štěpánská 796/44, 110 00 Prague 1, www.coi.cz.