

Technical Data Sheet

Charakteristik: AKEMI® Super Glue MVX Pen is a new developed medium viscosity instant adhesive for quick-setting of many different materials e.g. metals, rubber, many plastics, wood, cardboard, glass ceramics and leather.

The product is characterized by the following qualities:

- no blooming
- odourless
- non-hazardous
- remains flexible, fast initial strength
- high temperature resistance
- no impairment of electronic components
- very high impact strength
- good humidity resistance
- non-dripping
- pin lock
- features an anti-clog cap
- precise dosing

Application Area: AKEMI® Super Glue MVX Pen is typically used for car repair, electrical and electronic industries, engineering, metal processing, model construction, furniture, plastics processing, dental segments, leather manufacturing, fingernails bonding, rubber industries, luminaire production etc.

- Instructions for Use:**
1. For best results, surfaces to be bonded must be clean, free from grease, oils etc.
 2. Apply AKEMI® Super Glue MVX Pen sparingly to one surface only.
 3. Put the surfaces together immediately, taking care to ensure the correct alignment.
 4. Apply firm pressure to ensure that the adhesive spreads into a thin film.
 5. Remove any excess of glue with AKEMI® Acryclean.
 6. Wipe the tip clean and close cap tightly after each use.

- Special Notes:**
- For professional use only.
 - Hardening can be considerably accelerated by activators.
 - For proper waste disposal, the container must be completely emptied.
 - Recycling in accordance with the guidelines of EU Decision 97/129 EC on the Packaging Directive 94/62/EC.

Technical Data:

Base:	methoxyethyl cyanoacrylate	
Farbe:	transparent	
Density:	1.12 g/cm³	
Viscosity:	120 - 250 MPa	
Fixture time:	10 - 120 secs.	
Full strength:	24 h	
Max. gap filling:	0.10 mm	
Temperature resistance:	-50°C up to +80°C	
<u>Fixture/shear strength</u>	<u>Fixing time (sec.)</u>	<u>Shear strength (N/mm²)</u>
Textile	45	0.8
Leather	15	3.7
Cork	15	material breach
Cardbord	15	material breach
ABS	30	11.9 - 12.1*
Mild steel	10	10 - 12
Polymethyl-Methacrylate	160	3.2 - 4.7
Polycarbonate	40	8.3 - 9.4*
Aluminium	130	2.8 - 4.6

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Pinewood	35	10 - 12.4*
Beech wood	25	12.5 - 14.9
Oak	70	9.6 - 10.1*
PVC	55	6.7 - 6.9*

* material breach

Material combination:

	<u>Super Glue Plus</u>	<u>Super Glue MVX Pen</u>
Metal	++	++
Plastic	++	++
Rubber	+	++
EPDM-elastomers	+	++
Wood	++	++
Glass, ceramic	++	++
Leather	+	++

+ suitable

++ excellently suitable

Storing:

If stored in dry and cool condition (5-25°C/41-77°F) in its closed original container at least 12 months from production.

Health & Safety:

Read Safety Data Sheet before handling or using this product.

Important Notice:

The above information is based on the latest stage of development and application technology. Due to a multiplicity of different influencing factors, this information – as well as other oral or written technical advises – must be considered as non-binding hints. The user is obliged in each particular case to conduct performance tests, including but not limited to trials of the product, in an inconspicuous area or fabrication of a sample piece.

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