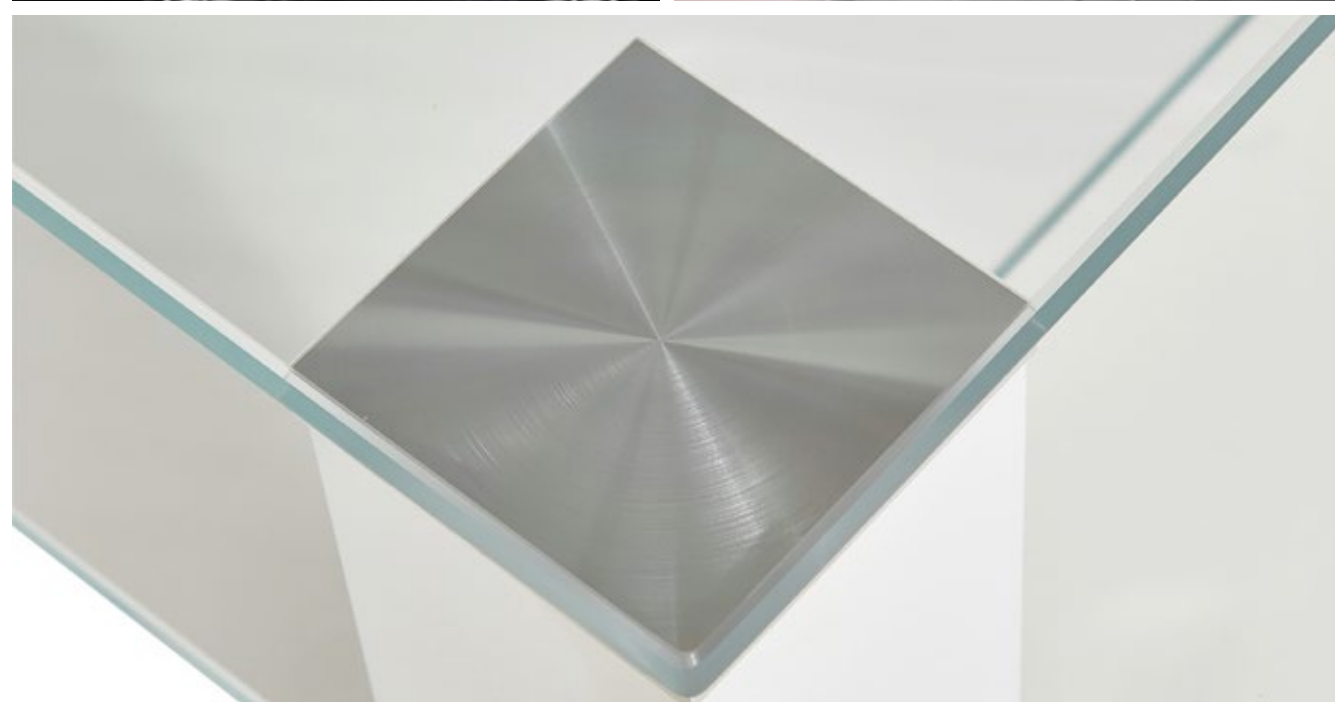
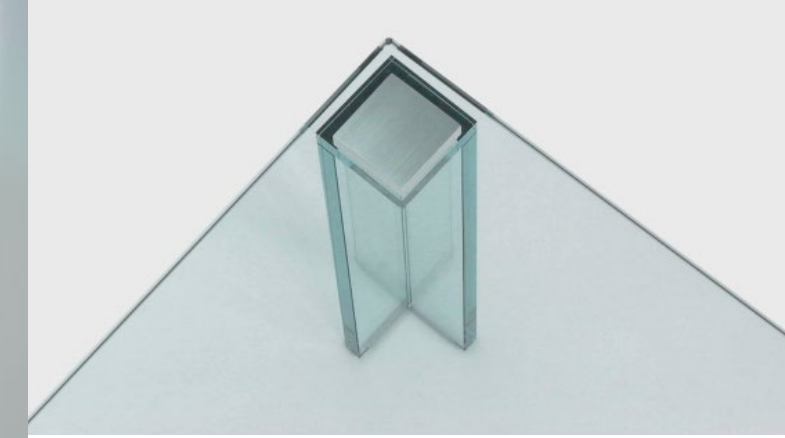
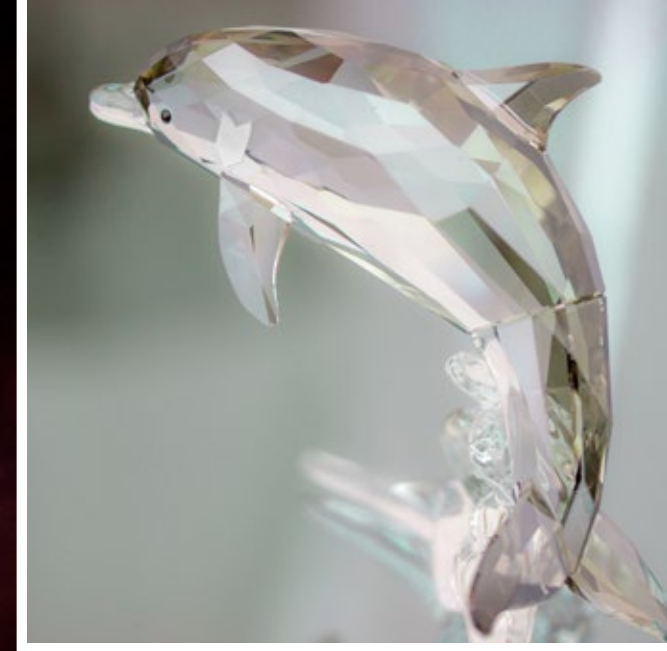


GLASS ADHESIVES

AP has many years of experience in the gluing of glass. The products are characterized by outstanding adhesion and excellent humidity resistance. All products fulfil highest optical demands and are completely non-yellowing.



Please notice:

The mentioned data and information are based on tests in our laboratory. Reliable statements about the behaviour of the glue in practical use and the suitability for a specific use can not be taken. The suitability of the product for a provided use by consideration of all necessary conditions must be tested by the user itself. The kind, the physical and chemical properties of the used materials and the influences during the transport, storage and usage of the glue can effect deviations in the behaviour of the glue in comparison to the behaviour in our laboratory. The mentioned data are measured in our laboratory and they are typical average values or values which are measured only one time. The mentioned data and information represent consequently no guarantee / assurance of the parameters or the suitability of the glue for a specific use.

UV ADHESIVES.

Resistant to humidity and climatic changes • non-yellowing • No pollutants/emissions (tested)



UV ASSEMBLY ADHESIVE (GLASS/GLASS)

UV 600
UV acrylic

After application of UV 600 the parts get assembled; afterwards the glue has to be cured with UV-radiation.
→ Assembly adhesive

Parameters for application:

- Viscosity: $2\,000 \pm 500$ mPa*s
- Fixture time (handling strength) 23 °C, 1 mW/cm² UV-A: 15 ± 2 sec

Product properties:

- Colour: clear transparent
- Glue for all UV-transparent materials (glass with diverse glueable materials)
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 25 N/mm²

UV ASSEMBLY ADHESIVE (GLASS/METAL)

UV 1137
UV acrylic

After application of UV 1137 the parts get assembled; afterwards the glue has to be cured with UV-radiation.
→ Assembly adhesive

Parameters for application:

- Viscosity: $1\,000 \pm 300$ mPa*s
- Fixture time (handling strength) 23 °C, 1 mW/cm² UV-A: 20 ± 2 sec

Product properties:

- Colour: clear transparent
- Glue for all UV-transparent materials (glass with diverse glueable materials, e.g. metal)
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 25 N/mm²



CAPILLARY UV ADHESIVE

KG 126
UV acrylic

KG 126 is the ideal choice for capillary glass bonding.

Parameters for application:

- Viscosity: 35 ± 5 mPa*s
- Fixture time (handling strength) 23 °C, 1 mW/cm² UV-A: 10 ± 3 sec

Product properties:

- Colour: clear transparent (coloured versions are also available)
- Adhesive only for the capillary glass bonding
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 20 N/mm²
- At impact stress: fracture of the glass



UV CASTING MATERIAL

UV Top 800
UV acrylic

Coating/sealing for diverse objects, e.g. pictures or crystals .

Parameters for application:

- Viscosity: $2\,000 \pm 500$ mPa*s
- Fixture time (handling strength) 23 °C, 1 mW/cm² UV-A: 40 ± 10 sec

Product properties:

- Colour: clear transparent
- UV casting material for embedding
- Temperature stability: -70 °C to +100 °C
- Tensile strength at 23 °C: up to 15 N/mm²



2K EPOXY ADHESIVES.

High-performance adhesives, which bond glass to all glueable materials • Resistant to humidity and climatic changes • No infiltration • No pollutants/emissions (tested)



UNIVERSAL ADHESIVE

JG 1000-30 A/B
2K epoxy resin adhesive

Curing speed: medium

Parameters for application:

- Viscosity (A+B): $20\,000 \pm 5\,000$ mPa*s
- Mixing ratio: 1:1 (by volume)
- Pot life time at 23 °C: 30 min
- Fixture time (handling strength) 23 °C: 4 h
- Fully cured: 23 °C: 48 h, 60 °C: 6 h, 80 °C: 2 h

Product properties:

- Great flexibility
- Colour: yellow / thin layer: transparent
- Glue for all glueable materials (metal, glass, plastic, crystals, leather, porcelain)
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 45 N/mm²

UNIVERSAL ADHESIVE

JG 1000-30 A/B
2K epoxy resin adhesive

Curing speed: medium

Parameters for application:

- Viscosity (A+B): $20\,000 \pm 5\,000$ mPa*s
- Mixing ratio: 1:1 (by volume)
- Pot life time at 23 °C: 30 min
- Fixture time (handling strength) 23 °C: 4 h
- Fully cured: 23 °C: 48 h, 60 °C: 6 h, 80 °C: 2 h

Product properties:

- Great flexibility
- Colour: yellow / thin layer: transparent
- Glue for all glueable materials (metal, glass, plastic, crystals, leather, porcelain)
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 45 N/mm²



UNIVERSAL ADHESIVE

JG 1100-5 A/B
2K epoxy resin adhesive

Curing speed: very fast

Parameters for application:

- Viscosity (A+B): $15\,000 \pm 3\,000$ mPa*s
- Mixing ratio: 1:1 (by volume)
- Pot life time at 23 °C: 5 min
- Fixture time (handling strength) 23 °C: 15 min
- Fully cured: 23 °C: 24 h, 60 °C: 2 h

Product properties:

- Colour: clear transparent
- Glue for all glueable materials (metal, glass, plastic, crystals, leather, porcelain)
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 40 N/mm²



UNIVERSAL ADHESIVE

JG 1200-300 A/B
2K epoxy resin adhesive

Curing speed: slow

Parameters for application:


- Viscosity (A+B): $10\,000 \pm 2\,500$ mPa*s
- Mixing ratio: 1:1 (by volume)
- Pot life time at 23 °C: 4 h
- Fixture time (handling strength) 23 °C: 12 h
- Fully cured: 23 °C: 7 days, 60 °C: 12 h, 80 °C: 4 h

Product properties:

- Colour: clear transparent
- Glue for all glueable materials (metal, glass, plastic, crystals, leather, porcelain)
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 35 N/mm²

2K ACRYLIC ADHESIVES.

Especially suitable for glass/metal and metal/metal bondings • No static mixing • No pollutants/emissions (tested)



2K ADHESIVE

CM 380 A/B
Anaerobic adhesive


Adhesive for UV-opaque materials (e.g. coloured glass or metal).

Parameters for application:

- Viscosity A: $2\,600 \pm 800$ mPa*s
- Viscosity B: $2\,400 \pm 600$ mPa*s
- Mixing ratio: 1:1 (beat on beat)
- Fixture time (handling strength) 23 °C: 40 sec

Product properties:

- Colour A: transparent, Colour B: green
- Glue for all glueable materials (metal, glass, crystals, porcelain)
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 20 N/mm²



2K ADHESIVE

CM 380 A + Activator J5B
Anaerobic adhesive with alcohol-based activator

Adhesive for UV-opaque materials (e.g. Coloured glass or metal).

Parameters for application of J5B:

- Viscosity: 50 ± 10 mPa*s
- Evaporation time for activator: 15 min (23 °C and < 70% rel. humidity)
- Thin application of J5B on the gluing surface using a brush/pen. Then dispense one drop adhesive.
- Fixture time (handling strength) 23 °C: 40 sec

Product properties for J5B:

- Colour: green transparent (fluorescent blue)

TOOLS AND GLASS CLEANER.



UNIVERSAL ADHESIVE

JG 1200-300 A/B
2K epoxy resin adhesive

Curing speed: slow

Parameters for application:

- Viscosity (A+B): $10\,000 \pm 2\,500$ mPa*s
- Mixing ratio: 1:1 (by volume)
- Pot life time at 23 °C: 4 h
- Fixture time (handling strength) 23 °C: 12 h
- Fully cured: 23 °C: 7 days, 60 °C: 12 h, 80 °C: 4 h

Product properties:

- Colour: clear transparent
- Glue for all glueable materials (metal, glass, plastic, crystals, leather, porcelain)
- Temperature stability: -70 °C to +130 °C
- Tensile strength at 23 °C: up to 35 N/mm²

Available surface tension inks:
29 mN/m, 32 mN/m, 35 mN/m, 38 mN/m, 40 mN/m, 42 mN/m, 46 mN/m

Test ink for surface tension measurement

Important for a good gluing joint:
The surface has to be clean, dry and should have a surface tension of minimum 38 mN/m.

This can be tested with our absolutely non toxic ink for surface tension measurement.

CLEANER AND SURFACE PROTECTOR

JS 210
Water-based polisher and cleaner

JS 210 is used to clean glass and surfaces to achieve a high gloss and to protect the material from dust and dirt for a long time.

Process: The glass protector JS 210 is applied undiluted. Just wipe it over the glass and polish it to get a wonderful gloss effect.

Parameters for application:

- Viscosity: 15 ± 5 mPa*s
- Density at 23 °C: $1,00 \pm 0,05$ g/cm³

Product properties:

- Colour: clear transparent
- Storage stability in closed bottle at 23 °C: 12 month

