

Glass Bonding Systems

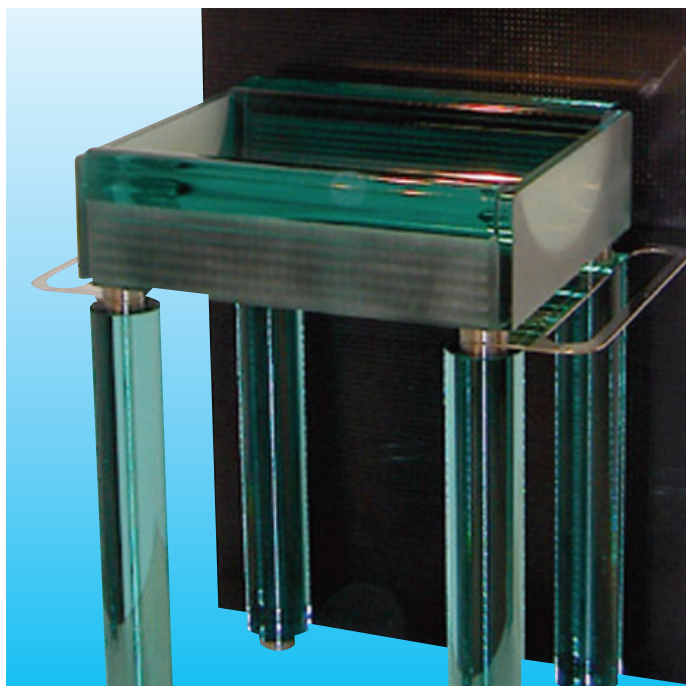
System properties

- Rapidly curing adhesives
- High productivity
- Invisible adhesive bonds
- Resistance to temperature, chemicals and humidity

Product programme

- UV adhesives
- UV LED adhesives
- Structural adhesives
- Silicones
- Special offers/ basic kits
- Product range of the Hönle Group

Innovative glass bonding with the Panacol Vitralit® UV adhesives technology



Transparent reasons for bonding glass with Vitralit® UV adhesives

The advantages of Vitralit® UV-curing adhesives are clear as glass: In combination with suitable UV light emitters the exact time of curing can be precisely defined. The curing time itself is exceptionally short.

Vitralit® is a highly-specialised range of UV adhesives developed specially for industrial applications.

Performance products for special requirements

The easy processing and rapid curing of the Vitralit® glass adhesives streamlines many glass bonding processes and opens the door for new applications.

The success of Panacol's products is based on clean, clear bonds, a high strength, precision curing and simple handling.

Vitralit® glass adhesives are single-component adhesives and can be applied directly with a metering applicator or directly from their applicator bottle. Their pot life is virtually unlimited and no fixing is required. The joined parts can be readjusted until the adhesive is cured through targeted radiation.

The products' viscosity, elasticity, speed of curing and amount of shrinkage can be adapted to specific requirements.

In combination with our UV lamps these adhesives achieve outstanding results.

Key benefits of the Panacol Vitralit® UV adhesives

- Rapid curing – improved productivity
- Invisible adhesive bonds
- Resistance to temperature, chemicals and humidity
- Solvent-free
- Almost unlimited possibilities in design and construction

The revolutionary Vitralit® UV LED adhesive technology

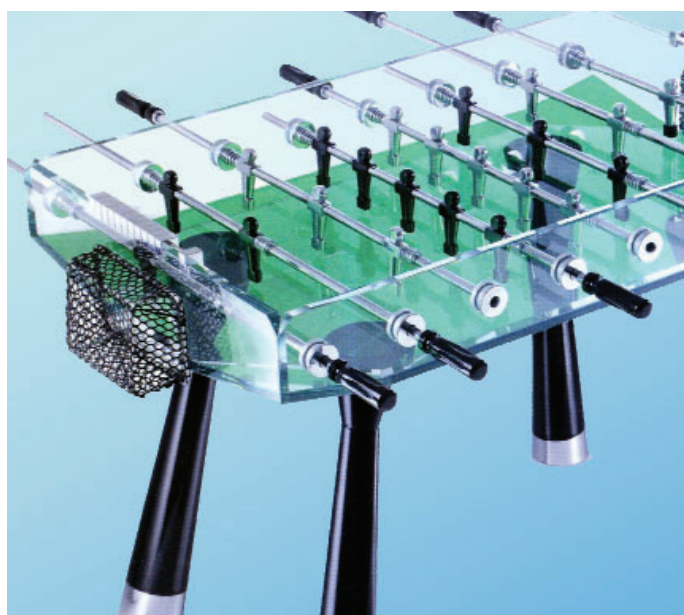
An innovative alternative to the usual UV lamps, the new UV LED technology is ideal, for example, for joining long glass edges or surfaces.

Panacol has developed Vitralit® UV LED adhesives that are specially adapted for this technology and meet the requirements for modern bonding agents, such as protection against yellowing, good moisture resistance, excellent elasticity and high strength.

- Bonding with low heat generation, therefore suitable for temperature-sensitive substrates
- UV LED lamps can be switched on and off at any interval and without loss of power

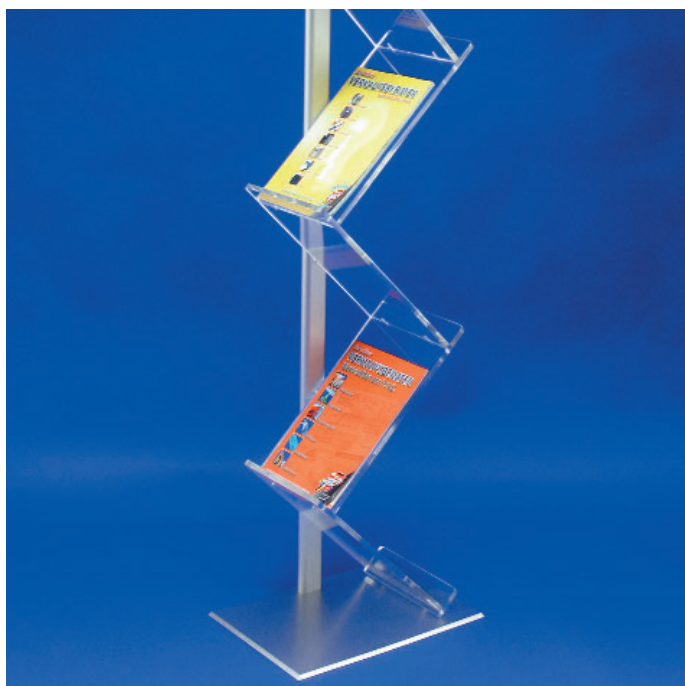
System expertise and know-how

Take advantage of the Höhle group's system expertise: with the optimally matched Panacol Vitralit® special-purpose adhesives and an accompanying range of devices from the Höhle group you can develop the perfect complete solutions for your specific applications.



You can find detailed information about UV and UV LED glass bonding with Vitralit® in our product brochure "UV glass bonding systems".

Penloc® structural adhesives for special bonds – ideal for acrylic and other glass types



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For some applications, for example in the furniture industry, the production of display cabinets, and wherever opaque materials or joining elements are used, our structural adhesives of the Penloc® GT series are an ideal choice.

These powerful, acrylic resin-based high-performance structural adhesives ensure a strong, enduring bond with excellent flexibility and thermal stability.

Simply convincing

Designed for specific applications and with decisive advantages over other products, the high-performance structural adhesives of the Penloc® series are ideal for bonding all hard, non-porous materials, such as acrylic glass.

They can be applied “bead on bead” directly from the double cartridge and excel with

- High strength
- Short curing times
- Ideal properties for automated application
- High thermal stability
- High power transmission
- Outstanding flexibility



Dosing bead on bead without static mixer

Momentive silicones for flexible connections

The Vitralit® glass adhesives are not suitable for some applications, for example in damp or wet environments or for flexible bonds.

For these special cases we recommend the tried and tested Momentive silicones.



With Momentive Performance Materials – one of the world’s most innovative silicone manufacturers – as sales partner, we offer a comprehensive range of products that perfectly complement our own product programme.

Panacol glass adhesives for the best bonds

Panacol adhesives join materials such as

- Glass, metal, wood, plastics
- Stained glass, laminated/tempered safety glass
- Stone and marble
- Acrylic glass and PC



Applications of Panacol glass adhesives

- Glass furniture, display cabinets
- Glass decoration
- Ornamental glass
- Laminates
- Interior design
- Lighting
- Bevel bonding
- Tiffany fabrication



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Leading the field through research and development

Panacol continually works on developing new bonding solutions and technologies.

Our customer advice department is always available to answer your questions and provide advice and information relating to your specific applications.

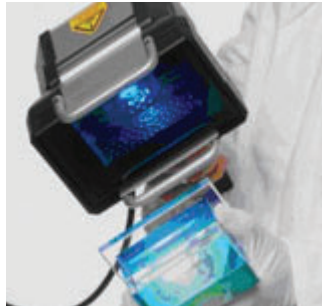
UV lamps and UV LED lamps

Hönle UV lamps

are the ideal addition to our Vitralit® UV products and are ideally suited for curing adhesives, coatings, sealants and paints.

- UV hand lamps
- UV flood lamps

Handy and compact, suitable for mobile and stationary systems, with homogeneous intensity distribution.



Hönle UV Hand 250

Hönle UV LED lamps

The innovative UV technology: Curing without heat exposure! Ideal in combination with the specially developed Panacol UV LED adhesives.

- No ozone emission
- Low power loss
- On/off switching without waiting time



Hönle UV LED flood lamp

UV LED technology for curing edge and frame bonds

The Hönle UV LED arrays are available in various lengths, and provide a uniform energy density along their entire length for joining long glass edges or surfaces.

Further benefits:

- Exposure surface of 500 to 2000 x 10 or 19 mm
- Range of lengths: 500, 1000 and 2000 mm
- Very low power consumption
- Cost-effective
- Ideal for display cabinets
- Height-adjustable



Hönle UV LED arrays

Dispensing equipment and accessories

We have the perfect dispensing equipment for all your needs – from standard machines to highly specialised equipment. Ideal for precisely dispensing of various low- and high-viscosity materials. And we also have the suitable accessories.

- Cartridges with a range of dispensing pistons
- Standard applicator tips
- Conical applicator tips
- QS module, foot-actuated switches, external control units, etc.



Special offers

Panacol supplies basic kits tailored to your specific glass bonding requirements.

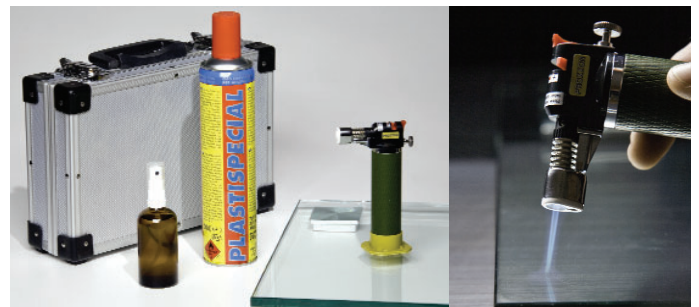
- Vitralit® UV glass bonding basic kit
- Penloc® starter kit
- Piro Profi Set for treating glass surface for better adhesion. Ensures a strong, permanent adhesive bond between problem surfaces.



UV glass bonding basic kit



Penloc® starter kit



Piro Profi Set

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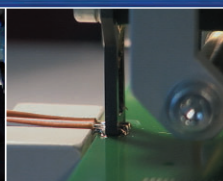
Curing

Dispensing

Bonding

Potting

Hot bar soldering



aladin

eleco-efd

eltosch

hönle

panacol

printconcept



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