hönle group

panacol
adhesives & more

Innovative adhesives for special applications

Panacol product range

- UV-A/light-curing adhesives
- Conductive adhesives
- Structural adhesives
- Cyanacrylates for problem materials
- 2-K epoxides for maximum strength
- Momentive silicones
- Dispensing equipment
- UV lamps, UV LED lamps
- Heat-sealing presses and hot bar soldering machines
- Heat stacking

Panacol – adhesives with know-how

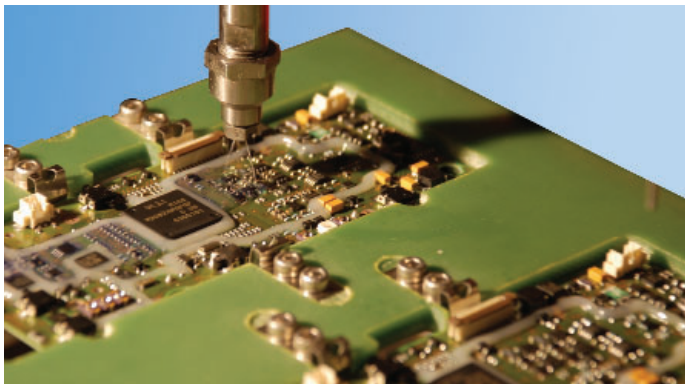
Targeted solutions for special requirements

A member of the Hönle Group, Panacol-Elosol GmbH is a globally active provider in the growth market of industrial adhesives.

Panacol offers a wide range of special-purpose adhesives for numerous applications. For selected fields of application we can supply the ideal adhesive and bonding equipment.

Call us for detailed information about our product groups and services for your particular applications.

UV-A/light-curing adhesives Vitralit®



The comprehensive range of our Vitralit® adhesives and sealing compounds covers a multitude of applications and offers many advantages:

- Single-component – simple application through immersion, spraying, rolling, etc.
- Short production times
- Solvent-free
- Low energy costs due to short curing times
- Excellent electrical properties
- Good temperature and chemicals resistance
- Low heating

Applications

- Electrical engineering/electronics
- Printed circuit-board production
- Smart cards
- LCDs
- Medical equipment
- Glass bonding
- Optics/optoelectronics

Electrically/thermally conductive adhesives Elecolit®

Elecolit® is our range of electrically and thermally conductive adhesives.

- ICA isotropic adhesives
- TCA thermally conductive adhesives
- ACA anisotropic adhesives
- Flame-retardant products

Applications

Electrically conductive products:

- Die bonding
- Aerial contacting
- Flip-chips
- HF screening
- 3D-MID

Thermally conductive products:

- Bonding of power modules
- Spacers for coating thickness testing
- Bonding of heat sinks

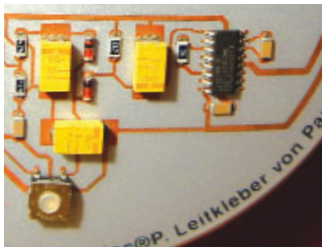
Rounding off our conductive range:

- Vitralit® UV-hardening conductive adhesives

Vitralit® for fixing coils and bonding loudspeakers

Bonding glass with Vitralit®

Elecolit®Aerial contacting



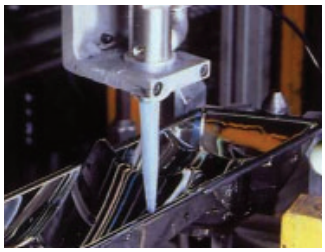
Bonding PCBs Elecolit®

Universal adhesives
Structalit®

The Structalit® products are one- and two-component universal adhesives that provide maximum strength.

- Easy
- Quick
- Universal
- Cost-effective

They are ideal for bonding a wide range of different materials.



Structalit® can also be used in special and high-tech applications, for example in PCB production, where it is used as a black, thermally cureable 1-K sealing compound.

High-temperature adhesives
Cerastil®

Ideal for continuous-duty temperature stability at 300 to 1500 °C (depending on the application).

Applications

Inorganic adhesives, socket bonding

- Joining ceramic, glass, metal and quartz components
- Securing heating wires
- Bonding special-purpose lamp sockets
- Sealing high-temperature sensors

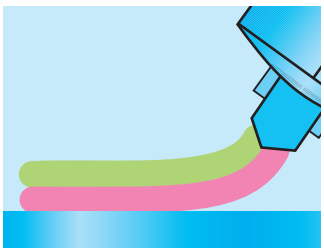
Anti-stick and anti-slag coatings

- Coating gravity dies in glass production
- Ceramic casting or pressing
- Ideal for concrete pressing moulds
- Ideal in high-temperature furnaces, for example melting furnaces

Structural adhesives
Penloc® GZ / GTI / GT-HT / GT-AP

No more welding – with Penloc® GZ

Ideal for all hard, nonporous materials. Bead-on-bead application – no mixing needed.



Bead-on-bead bonding with Penloc® GTI without static mixer

Specific advantages of Penloc® GZ / GTI

- Short curing times
- Universal, simple handling
- Ideal for automated application

Specific advantages of Penloc® GT-HT

- Excellent temperature stability

Specific advantages of Penloc® GT-AP

- Odourless

Applications

- Steel, aluminium, brass, etc.
- PVC, PMMA, polyester, polycarbonate
- Glass

Anaerobic adhesives
Penloc®

Anaerobic adhesives are reaction adhesives, which cure through the exclusion of oxygen and through the catalytic action of metals. Once cured, they are extremely hard.

Applications

- Securing
- Attaching
- Sealing