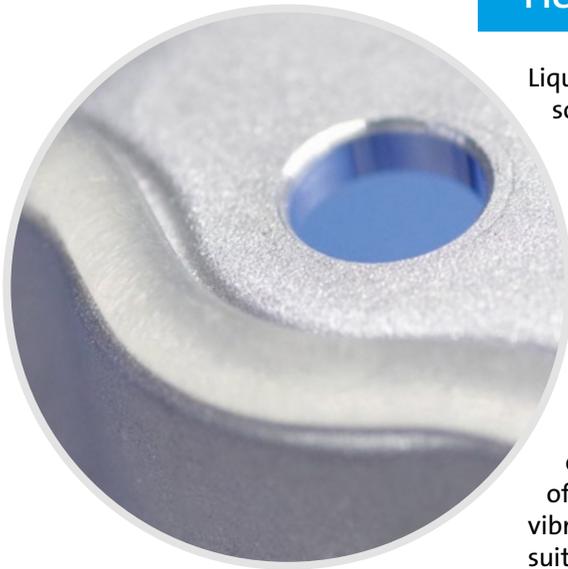


Light Curing CIPGs



Flexible Light Curable Adhesives for CIPG Applications



Liquid gaskets are the simplest solution for sealing difficult 3D geometries that cannot be reliably sealed with conventional gaskets. Cured-In-Place-Gaskets (CIPG) cure quickly under UV light and enable the immediate protection of sensitive electronic components from dust, moisture, aggressive contact media or temperature. Panacol's CIPG materials have an optimized compression set. They offer high temperature, chemical and vibration resistance and are therefore suitable as a replacement for solid gaskets, especially in the automotive

industry. Panacol CIPGs can be used flexibly, even with design changes, and adhere to many substrates, both metals and plastics. As the sealing bead has a higher adhesion to the housing base than to the cover, even more frequent disassembly processes are possible without permanently damaging the material.

Panacol works closely with Hönle UV manufacturer, creating an optimized curing and bonding process. This results in increased efficiency and reduces total operational costs.

Fast curing
via UV or UV-LED



Low
compression set



For complex
geometries



CIPG: Cured-in-Place Gasket System Solution

Adhesive/CIPG	Viscosity [mPas] (Rheometer, 25°C, 10s ⁻¹)	Curing*	Description
Vitralit® CIPG 60101	5,000 - 15,000 (Rheometer, 25°C, 50s ⁻¹)	UV/VIS	Extremely flexible, thixotropic, outstanding elongation and memory, moisture resistant, tack-free
Vitralit® CIPG 60102	15,000 - 40,000	UV/VIS	Flexible/elastic liquid gasket, low compression set, easy to apply, fast curing with UV light
Vitralit® 5140 VT	5,000-10,000	UV/VIS	Sealing material, flexible and stable, high resistance to thermal stress and moisture
Customized Vitralit®	Adaptable	UV/VIS	Extremely flexible, very low compression set

*UV = 320 - 390 nm; VIS = 405 nm

UV Curing Systems	Dimension in mm	Available Wavelength in nm	Intensity in mW/cm ²	Cooling
Hönle LED Spotlights	Light emission up to Ø20	365/385/405	up to 20.000	air-cooled
Hönle LED Line Emitters	Light emission width 10/20/40, length adaptable	365/385/395/405/460	up to 25.000	air and water-cooled
Hönle LED Floodlights	Light emission 20x20 / 40x40 / 100x100 / 200x50	365/385/395/405/460	up to 30.000	air and water-cooled
Hönle LED Curing Chambers	Inner dimension 180x180 / 350x350	365/385/395/405/460	up to 5.000	air-cooled
Hönle LED Conveyor Belt	Belt width 110-520	365/385/395/405/460	up to 25.000	air and water-cooled

Contact us



Panacol-Elosol GmbH
Stierstädter Straße 4
61449 Steinbach
GERMANY
Phone: +49 6171 6202-0
info@panacol.de
www.panacol.com

Eleco Panacol – EFD
125, av Louis Roche
Z.A. des Basses Noëls
92238 Gennevilliers Cedex
FRANCE
Phone: +33 1 47 92 41 80
eleco@eleco-panacol.fr
www.eleco-panacol.fr

Dr. Hönle AG UV Technology
Nicolaus-Otto-Straße 2
82205 Gilching
GERMANY
Phone: +49 8105 2083-0
uv@hoenle.de
www.hoenle.com

Panacol-Korea Co., Ltd.
#707, Kranz Techno
388 Dunchon-daero
Junwon-gu, Seongnam
Gyeonggi-do, 13403 KOREA
Phone: +82 31 749 1701
moon@panacol-korea.com
www.panacol-korea.com

Panacol-USA, Inc.
142 Industrial Lane
Torrington CT 06790
USA
Phone: +1 860 738 7449
info@panacol-usa.com
www.panacol-usa.com

Hoenle UV Technology Trading (Shanghai) Co., Ltd
Room 821, No. 800
Cimic Building Pudong
Shanghai 200120, CHINA
Phone: +86 21 64 73 02 00
info@hoenle.cn
www.panacol.cn

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