



Flexible Liquid Seals – Cured within Seconds

Sealing in second intervals

DELO® Industrial Adhesives has developed new light-curing liquid sealants (FIGP/CIPG = Form In Place Gasket/Cure In Place Gasket) for sealing and protecting housing covers. These products can be reliably applied in their liquid state directly from the cartridges onto the housing elements.

Then, they cure within seconds by exposure to light. Thus, they fulfill the growing demand for short cycle times and easy automation. Their good elastic recovery enables reliable sealing during later joining of the components.

Application areas

- Electronic/household devices: Sealing of telephone housings, loudspeaker assembly, sealing of handles
- Automotive: Sealing of oil pans, electrical controls, engine covers, pumps, gear parts, door handles

Your benefits

- Large production volumes without process interruption possible
- High process reliability and system availability
- Complex component geometries possible (short machine changeover times)
- No seals must be kept on stock (saving of material and storage costs)
- Fluorescence allows detection (vs. black elastomer on black housing)

Product properties

- Curing in seconds without applying heat
- Immediate final strength allows direct continuation of the production process
- “Curing on demand” (curing only upon irradiation)
- Good elastic recovery/low compression set
- One-component, solvent-free
- PWIS-free/silicone-free



Technical parameters

		DELO® PHOTOBOND® SL4165	DELO® PHOTOBOND® SL VE 529236
Color		yellowish fluorescent	colorless fluorescent
Viscosity [cP = mPas]		124,000	85,000
Min. curing time [s] DELO® Standard 23, LED intensity 200 mW/cm², DELOLUXcontrol	100 µm layer thickness	6	3
	1,000 µm layer thickness	10	5
Compression set [%] by the criteria of DIN ISO 815		15	20
Elongation at tear [%] DIN EN ISO 527		170	180
Shore hardness A by the criteria of DIN EN ISO 868		41	60
Water absorption [%]		0.2	1.4
Preservability at room temperature +32 °F to +77 °F (0 °C to +25 °C)		6 months	3 months

SL = SealInG

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03/19

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