

Light-curing Adhesives for LED Modules

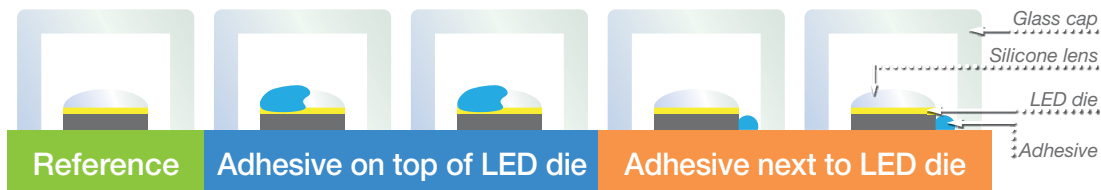


DELO's adhesives fulfill tough industry outgassing requirements for LED applications

DELO's adhesives have proven through industry-accepted tests to be chemically compatible for bonding applications in LED light engines and LED modules. Ten products are released for the use in direct contact to the LED surface, another four are released for indirect contact.

The test was performed as shown below, with LEDs running at 700 mA for six weeks, where temperatures of $> +70^{\circ}\text{C}$ were reached on the boards. Light output measurements show a stable intensity of the LED module throughout the test period.

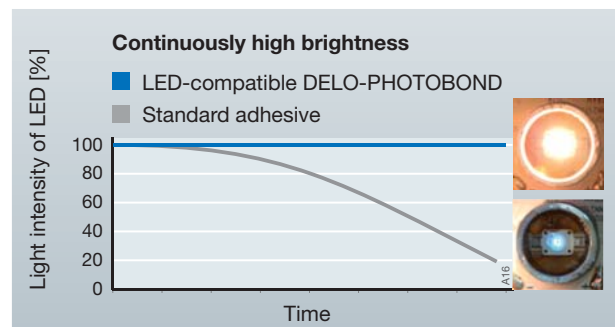
LED compatibility test



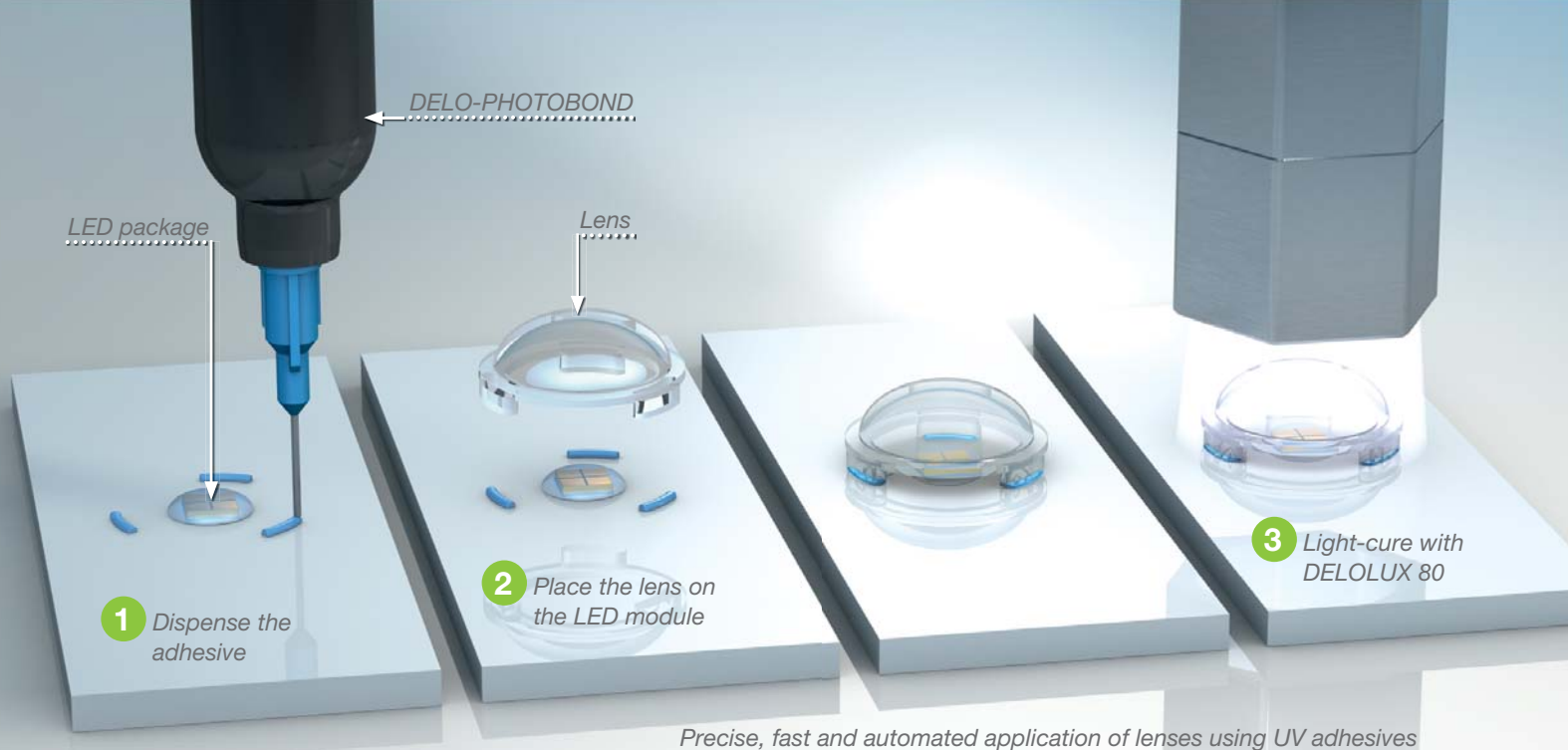
Video: LED Bright Test

Your benefits

- Continuously high intensity of the LED modules over lifetime, and therefore maximum optical quality
- Light curing enables automated and cost-efficient production
- Freedom of design thanks to invisible joints, even for extravagant shapes and materials



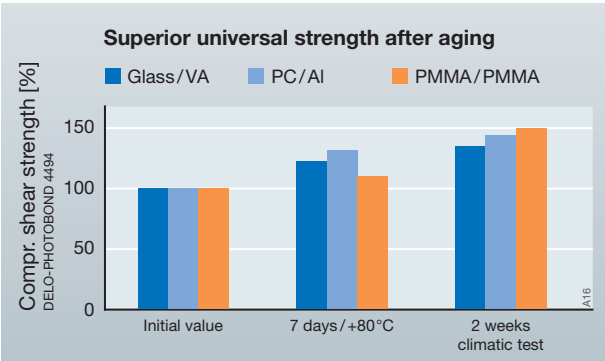
Even after long-term tests, the modules bonded with DELO-PHOTOBOND retain their brightness.



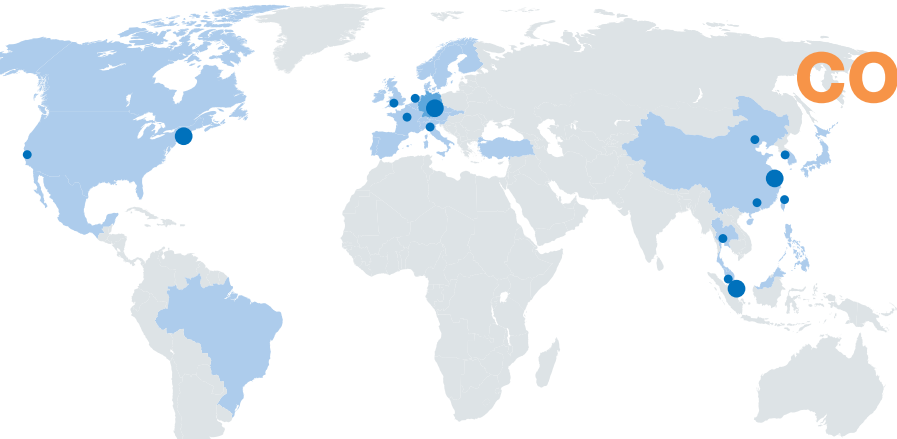
Precise, fast and automated application of lenses using UV adhesives

Properties of DELO-PHOTOBOND products

- LED-compatible
- Low outgassing
- Yellowing-resistant
- Temperature-, humidity- and vibration-resistant
- Universal adhesion
- Fast light curing within seconds
- Various viscosities available



Talk to our experts!
 We also have a broad range of adhesives for further LED applications, pin sealing and encapsulation tasks.



CONTACT

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