



Press Release

November 03, 2023

Comprehensively tested expansion of portfolio for medical solutions

Henkel introduces new medical grade wearables device light cure adhesives

Düsseldorf – As a leading manufacturer of advanced adhesive solutions for the medical industry, Henkel has launched a novel medical grade light cure adhesive designed for devices that are to be worn on the body. The new product is formulated without IBOA (Isobornyl Acrylate) or any other known skin sensitizing monomers. The adhesive is also formulated to conform to EU MDR 2017 regulations concerning use of CMR (carcinogenic, mutagenic, or toxic for reproduction) substances in medical devices making it a robust option for new designs.

The newly developed adhesive is available in two different grades. Loctite WT 3001 and Loctite WT 3003 have both been tested according to ISO 10993 standards, ensuring a high level of safety and performance for users. The solutions have also been tested for skin sensitization, making them suitable for a wide range of medical applications including wearable devices.

With the increasing demand for medical devices and wearables, the need for safe and reliable adhesive solutions has never been more crucial. Henkel's new wearable device light cure adhesive provides an excellent bonding solution for medical devices, ensuring strong and durable connections while remaining free of known skin sensitizing monomers such as Isobornyl Acrylate (IBOA). IBOA is known in that medical community for causing patient skin reactions when used in wearables.

"At Henkel, we are committed to providing our customers with innovative adhesive solutions that meet the highest safety standards," said Philipp Loosen, Vice President and Head of Industrials EIMEA and Global Key Accounts Medical at Henkel. "With the introduction of our new medical grade wearable device light cure adhesive, we are addressing the growing need for safe and effective adhesives in the medical industry. Our adhesive is ISO 10993 tested and

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formulated with patient comfort and safety in mind, ensuring its suitability for use in medical device bonding and medical wearables.”

Henkel's wearable device light cure adhesive offers various benefits for medical applications. Its light cure capabilities allow for quick and efficient bonding, reducing production time and increasing productivity. The adhesive also provides excellent adhesion to a wide range of substrates commonly used in medical devices and wearables, ensuring robust bonding and sealing performance after drop impact or bathing.

Furthermore, the adhesive's formulation meets FDA & EU MDR recommendations for wearable medical devices regarding sensitizing and CMR ingredients. Henkel is committed to meeting regulatory requirements and delivering safe and reliable adhesive solutions to its customers. The focus on removing all known skin sensitizing monomers further reduces the risk of skin sensitization making the adhesive suitable for prolonged skin contact in medical applications.

With the trend of the integrated and connected devices, medical wearables look to incorporate advanced technologies and data-driven approaches into the healthcare industry. Henkel offers a broad material solutions portfolio for medical wearables, including low-pressure molding technologies, skin bonding, assembly adhesives, circuit board protection, and printable conductive/functional inks for biosensors.

For more information about Henkel's new medical-grade wearable device light cure adhesive, please visit the Henkel booth at the WT Pavilion at MEDICA (12D33) from November 13 through November 16 in Dusseldorf, Germany or please visit [Medical Wearable & Electronic Devices - Henkel Adhesives \(henkel-adhesives.com\)](https://www.henkel.com/medical-wearable-electronic-devices)

About Henkel

With its brands, innovations and technologies, Henkel holds leading market positions worldwide in the industrial and consumer businesses. The Adhesive Technologies business unit is the global leader in the market for adhesives, sealants and functional coatings. With Consumer Brands, the company holds leading positions especially in hair care and laundry & home care in many markets and categories around the world. The company's three strongest brands are Loctite, Persil and Schwarzkopf. In fiscal 2022, Henkel reported sales of more than 22 billion euros and adjusted operating profit of around 2.3 billion euros. Henkel's preferred shares are listed in the German stock index DAX. Sustainability has a long tradition at Henkel, and the company has a clear sustainability strategy with specific targets. Henkel was founded in 1876 and today employs a diverse team of about 50,000 people worldwide – united by a strong corporate culture, shared values and a common purpose: "Pioneers at heart for the good of generations." More information at www.henkel.com

Photo material is available at www.henkel.com/press

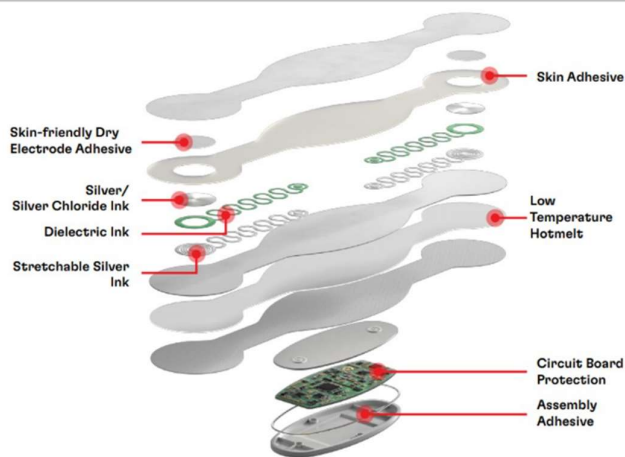
Contact Sebastian Hinz
Phone +49 211 797-85 94
Email sebastian.hinz@henkel.com

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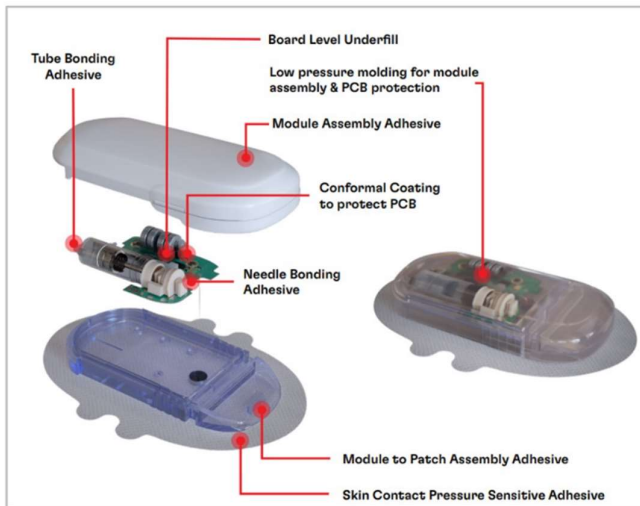
Loctite WT 3001 and Loctite WT 3003 are new medical grade light cure adhesives for housing, sealing and bonding applications and have been tested according to the ISO10993 protocol.

Cardio Health Patch



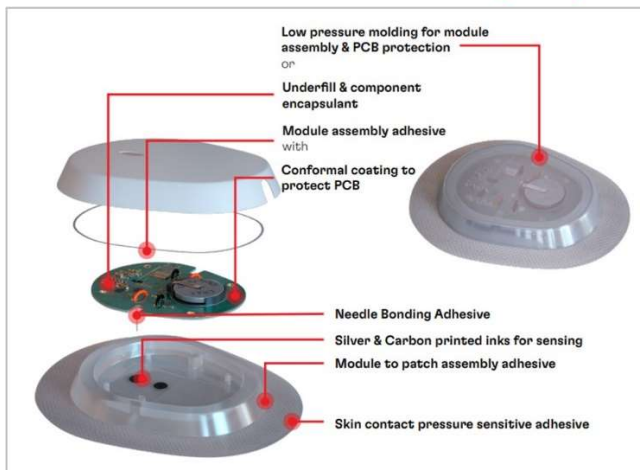
Henkel offers a broad portfolio for medical wearables, for example for cardio health patches.

Insulin Patch



Henkel offers a broad portfolio for medical wearables, for example for insulin patches.

Continuous Glucose Monitor (CGM)



Henkel offers a broad portfolio for medical wearables, for example for Continuous Glucose Monitoring.