

Press Release

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Loctite products from Henkel

Gap-filling bonding within seconds

Mind the Gap! Anyone who has traveled on the London Underground will be familiar with this safety notice. But “minding the gap” was also something that people had to do when using instant adhesives. With Loctite 3090, Henkel has developed the first gap-filling instant adhesive, thus considerably expanding the range of uses.

Instant adhesives can help to get quick results in many industrial manufacturing applications. They can be used to bond almost any kind of material, reliably and within seconds. Moreover, for maintenance and repair jobs, they often provide an economical alternative to expensive repairs or replacement parts. However, since conventional cyanoacrylate-based products generally have low viscosity and no gap-filling properties, they can only be used to bond close-fitting parts. This was a drawback that severely restricted the range of uses of these popular adhesives.

With Loctite 3090 from Henkel, a two-component instant adhesive is available that not only offers the same high bond strength and fast cure, but can also fill gaps. Henkel has thus vastly broadened the application range of instant adhesives, offering an unmatched capability to fill gaps up to 5 mm wide. Loctite 3090 is suitable for almost all materials, including metals, most plastics, rubber and ceramics. Even porous substrates such as wood, paper and cork can be reliably bonded with it.

Users also benefit from the significantly improved handling: The transparent “instant adhesive” is a high-viscosity gel, which allows easier application to vertical surfaces – without dripping. Another feature is the convenient 2-chamber syringe packaging



LOCTITE

BONDERITE

TECHNOMELT

TEROSON

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enabling precise and clean application. Unlike one-component systems, Loctite 3090 does not depend on the moisture in the air to cure, but has an additional activator. The two components are dispensed into an integrated static mixer, which ensures that curing is triggered within the defined timeframe, regardless of moisture or temperature, and that the components are always mixed in the right ratio. The adhesive has a working time of 90 to 150 seconds after application. The bond is then strong enough for use or downstream processing of the joined parts.

Loctite is a registered trademark of Henkel and/or its affiliates in Germany and elsewhere.

Henkel operates worldwide with leading brands and technologies in three business units: Laundry & Home Care, Beauty Care and Adhesive Technologies. Founded in 1876, Henkel holds globally leading market positions, both in the consumer and in the industrial businesses, with well-known brands such as Persil, Schwarzkopf and Loctite. Henkel employs about 50,000 people and reported sales of 18.1 billion euros and adjusted operating profit of 2.9 billion euros in fiscal 2015. Henkel's preferred shares are listed in the German stock index DAX.

Images are available at <http://www.henkel.com/press>

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The following materials are available:



Loctite 3090 provides excellent bonding of all common substrates: metals, most plastics, rubber, wood, leather, paper and many more.



Precise and clean application thanks to the syringe and non-drip formula. Suitable even for vertical and overhead applications. With its gap fill of 5 mm and fixture time of 90-150 sec it allows for quick repairs of broken plastics and all kind of emergency repairs.



Scan the QR code to watch the application video online.