

Press Release

January 30, 2020

Cold rebuilding epoxy material eliminates need for heat and open flame

Henkel introduces new tin replacement solution for automotive body repair

Düsseldorf, Germany – Henkel has introduced Teroson EP 5020 TR, a two-component epoxy-based cold rebuilding material designed to replace conventional tin solder in aftermarket repairs of automotive body damages. Fast curing, easier to sand and smoother to apply than previous solutions, the material also eliminates the heat and open flame process required for tin soldered repairs.

As the automotive industry continues to develop new body materials, there is a need for compatible aftermarket repair technology that has no impact on adjacent plastic components, paint or backside corrosion protection. Henkel has anticipated this challenge and developed Teroson EP 5020 TR. The new epoxy formulation can be applied at room temperature in a smooth, flameless and solder-free process.

“By providing a cold rebuilding solution to replace conventional hot tin soldering, our new two-component Teroson EP 5020 TR product saves time and labor in aftermarket body repairs and is also safer to work with,” says Joern Senftleben, Regional Technology/Segment Engineer, Vehicle Repair & Maintenance at Henkel. “Moreover, as a completely tin-free and heavy-metal-free material it is also a more sustainable alternative.”

Teroson EP 5020 TR is supplied in manual gun cartridges with a special mixing nozzle for ease of application. It can be used on all metal surfaces, including modern steel alloys and aluminum, as well as for body repairs on all kinds of vehicles, including trucks. In contrast to tin solder and open flame processes there are no high temperatures or naked flames involved, which means that the body parts to be repaired do not have to be removed and fitted again in order to prevent damage to nearby plastic components.

Thanks to its excellent properties, Teroson 5020 TR is also ideal for repairs in areas that are more difficult to access. The cold rebuilding and flameless process ensures that the paint and protective corrosion coating around the area of repair will not be damaged.



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The material has an open time of approximately 10 minutes, which gives the body specialist sufficient time for rebuilding the original contours of the part to repair.

In addition, this new material is even easier to apply and sand than Henkel's previous product version, resulting in a smooth substrate for subsequent filling and painting.

Teroson EP 5020 TR is now available throughout Western Europe in 50 ml two-component cartridges for efficient application with standard cartridge guns. It will be supplied together with a static mixer to provide a homogenous compound. The 175ml will be available by the end of the year.

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

About Henkel

Henkel operates globally with a well-balanced and diversified portfolio. The company holds leading positions with its three business units in both industrial and consumer businesses thanks to strong brands, innovations and technologies. Henkel Adhesive Technologies is the global leader in the adhesives market – across all industry segments worldwide. In its Laundry & Home Care and Beauty Care businesses, Henkel holds leading positions in many markets and categories around the world. Founded in 1876, Henkel looks back on more than 140 years of success. In 2018, Henkel reported sales of around 20 billion euros and adjusted operating profit of around 3.5 billion euros. Henkel employs around 53,000 people globally – a passionate and highly diverse team, united by a strong company culture, a common purpose to create sustainable value, and shared values. As a recognized leader in sustainability, Henkel holds top positions in many international indices and rankings. Henkel's preferred shares are listed in the German stock index DAX. For more information, please visit www.henkel.com.

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The following illustration material is available at www.henkel.com/press.



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