



## Press Release

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Reduced resource consumption in architectural and decorative applications

### **Mid temperature, maximum performance: Henkel launches new sealing solution for efficient anodizing processes**

Düsseldorf – With Bonderite M-ED 11204, Henkel is expanding its aluminum anodizing portfolio with a mid-temperature sealing solution that reduces energy use, CO<sub>2</sub> emissions, and water consumption while simplifying process steps. The product is now commercially available to Qualanod-certified customers and will first be introduced in Europe before being rolled out to additional markets.

Henkel is presenting Bonderite M-ED 11204 as the latest development in mid-temperature sealing, strengthening the company's strategic position in sustainable and energy-efficient surface treatment. As a complement to the existing hot and cold sealing portfolio, the new solution gives manufacturers additional opportunities to make their anodizing processes more resource-efficient. Operating at 85 °C, the product enables significant energy savings compared with conventional hot-sealing systems, which typically run at around 96 °C. The exact savings depend on factors such as equipment configuration and throughput, but the solution offers strong potential for reducing both energy consumption and CO<sub>2</sub> emissions. The process also lowers water usage, as no final rinse step is required and the overall rinse-off demand is reduced. The lower operating temperature minimizes evaporation losses as well, further improving efficiency. Compared with cold sealing, Bonderite M-ED 11204 offers a completely nickel-free solution and eliminates the need for an aging bath and subsequent rinse stages, simplifying overall process lines.

The technology also supports manufacturers in meeting current regulatory requirements related to energy, water, and CO<sub>2</sub> reporting, and in transitioning toward nickel-free production processes. It directly addresses key market drivers such as rising energy costs, stricter sustainability regulations, and the increasing importance of decarbonization strategies in industrial manufacturing environments.

The product was specifically developed for architectural anodizers, Qualanod-certified coating lines, and decorative applications, particularly where energy efficiency, streamlined processes, and high-quality surface results are essential. Typical use cases range from architectural components to aesthetic aluminum surfaces, where mid-temperature sealing delivers clear advantages over existing methods.

Darshan Mehta, Business Development Manager Metal Treatment at Henkel, says: "With Bonderite M-ED 11204, we are taking an important strategic step toward supporting our customers even more effectively in achieving their sustainability goals. The new mid-temperature technology reduces energy demand and process complexity while maintaining high quality performance. This enables our partners to advance their decarbonization strategies during ongoing operations."

Bonderite M-ED 11204 is now available to Qualanod-certified customers. The product already holds provisional Qualanod approval, while the final certification steps are underway. These include a three-year outdoor exposure test and additional qualification sequences, with current results fully confirming the product's suitability. The initial market introduction is taking place in Europe, particularly in Qualanod-certified markets, with a staged expansion to further regions planned.

#### **About Henkel**

With its brands, innovations and technologies, Henkel holds leading market positions worldwide in the industrial and consumer businesses. The business unit Adhesive Technologies is the global leader in the market for adhesives, sealants and coatings. With Consumer Brands, the company holds leading positions especially in laundry & home care and hair in many markets and categories around the world. The company's three strongest brands are Loctite, Persil and Schwarzkopf. In fiscal 2025, Henkel reported sales of about 20.5 billion euros and adjusted operating profit of around 3.0 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 47,000 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](http://www.henkel.com)

**Photo material is available at [www.henkel.com/press](http://www.henkel.com/press)**

Contact     Caroline Sach  
Phone        +49 211 797-3479  
E-mail        caroline.sach@henkel.com

Svenja Meurer  
+49 2602 950 99-15  
svm@additiv.de

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