

Press release

Eltville, 19.03.2025

Emil Otto meets high demand for ROL0 fluxes

Fluxes classified as ROL0 fluxes contain colophonium as a resin component. The new flux series EO-B-026 A - C are ROL0 fluxes of the latest generation. The fluxes are high-performance NO-CLEAN fluxes based on alcohol with a dicarboxylic acid activator complex and colophonium. These fluxes have been developed for the selective and wave soldering process, as well as for dip soldering and wire tinning.

“We are seeing an increased demand for ROL0 fluxes, particularly from Eastern Europe and North Africa. For this reason, we have decided to expand our portfolio in this regard and meet the increased demand,” explains Markus Geßner, Head of Marketing and Sales at Emil Otto GmbH, the expansion of the portfolio. The new flux is available with different solid contents: EO-B-026 (5%) and the variants A (2%), B (3%) and C (4%). All versions are characterized by a wide range of applications and very good soldering properties, particularly in terms of penetration and wetting. Despite the higher solids content, the flux is virtually residue-free. The process window shows very high thermal stability and very good activity over a very large interval, especially with OSP and ENIG soldering surfaces. The use of colophonium brings further positive properties.

Colophonium promotes an even spread of the solder and improves the connection between the component and the PCB. Colophonium also prevents oxidation of the solder joints during the soldering process, resulting in reliable and stable connections. Compared to more activated fluxes, colophonium minimizes the risk of corrosion at the solder joints. After soldering, it leaves hardly any conductive residue, which reduces the risk of leakage currents or short circuits. Furthermore, colophonium remains effective even at higher temperatures and thus enables stable process control. These properties make colophonium-based ROL0 fluxes particularly suitable for sensitive electronic assemblies.

All flux variants can be purchased ready-to-use, as a concentrate or as a flux gel. “Flux gels are often used for repair work on assembled PCBs. In the past, fluxes for manual and repair soldering often had to be used. These contained other activators that were used for series production. The new flux gels we have developed are based on standardized activators that are contained in the existing electronic fluxes, such as the new EO-B-026. This makes us the only manufacturer to offer products on an activator basis, from the flux concentrate to the finished flux to the flux gel,” explains Geßner. Uniform activators avoid cross-reactions that can occur when using different activators from different manufacturers.

About Emil Otto

Since 1901 "Emil Otto" stands for top quality. As owner-managed company, Emil Otto is committed to the development and manufacturing of high-quality fluxing agents. In particular the fluxing agents for electronics production, strip tinning, cooler construction as well as for galvanizing are used by market leaders at home and abroad.

Over the years, reliable products and a high level of customer care have become the signature. The manufacturing takes place in accordance with the latest standards, the quality- and environmental management system has been certified for many years. Emil Otto responds with high flexibility to customer requests. Special products or product adaptations are developed and implemented in collaboration with system manufacturers and institutes.

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More information: www.emilotto.com Weitere Informationen unter: www.emilotto.de

Picture:



Picture caption:

New ROL0 flux series EO-B-026 A-C from Emil Otto

Deeplinks:

[EMIL OTTO - Alcohol-based No Clean-Flux EO-B-026 multiflux](#)

Press Office

BUTTER AND SALT tech marketing GmbH

Contact person: Florian Schildein

Hessenallee 12 · 14052 Berlin

Phone: +49 30 585 846 011

E-mail: fs@butter-and-salt.de