

NEWS RELEASE: New Product

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High Electrical Reliability Tack flux with 9 months Shelf Life

JEITA ET-7304A compliant halogen-free tack flux for BGA / CSP applications

KOKI Company Limited (Tokyo, Japan) is launching a new tack flux for BGA / CSP components applications with a long shelf life of 9 months.

BGA and CSP are major components used today in the electronics assembly. These components are more challenging to assemble and repair and are becoming smaller in the component ball size and pitch. Therefore, the demand is very high for a tack flux with consistent dispensing shape that holds components securely and has high electrical reliability. In addition, conventional halogen-free tack flux often has problems with heat resistance and workability and is prone to cause reflow failures during assembly and repair.

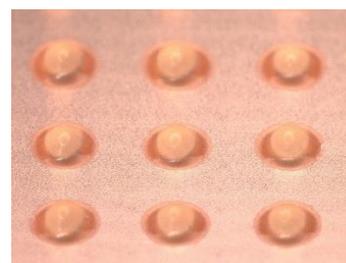
A newly developed tack flux TF-M881R is categorized as halogen-free according to JEITA ET-7304A, and ROL0 by IPC J-STD-004B. Though halogen-free, TF-M881R has over 72 hours of tack time in addition to excellent heat resistivity and meltability. As tack flux in general is consumed in relatively small amounts over a long period of time, the shelf life of TF-M881R lasting for nine months due to its superior storage properties is an advantage. It also exhibits stable and consistent dispensing which ensures high electrical reliability and excellent workability.

- **Stable dispensing shape and high viscosity of the tacky flux holds the components securely**
Dispense shape of **TF-M881R** is stable and consistent even after 5,000 dispensing shots. The product maintains its high tackiness over 72 hours and helps secure the BGA and CSP components.
- **Retains high electrical reliability whilst being halogen-free**
Being compliant to JEITA ET-7304A, halogen-free tacky flux **TF-M881R** still retains high thermal resistance and ensures good melting properties unlike other conventional halogen-free counterparts. In addition, the product is reliable with high surface insulation resistance, making it suitable for use in fine pitch applications.
- **Shelf life lasting for 9 months**
Storage property, viscosity, and wettability of **TF-M881R** are very stable so that the shelf life of the product lasts for nine months. It provides excellent cost performance and work efficiency during the assembly and repair processes.

[Product Outline]

Name	TF-M881R
Flux type	ROL0*
Tack time	>72 hours
Shelf life	16 - 30°C, 9 months

*According to IPC J-STD-004B



Dispensed shape

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