

# Flux TK83

A reliable tool for professionals and electronics enthusiasts, ensuring excellent solderability and long-lasting connections. Its innovative formula, based on an alcoholic solution of rosin with organic activators, meets the highest quality standards ISO 9454 type 1134 and J-STD-004 ROL0. Thanks to its versatility and efficiency, it is the ideal solution for manual tinning as well as SMD and BGA assembly.

### Product features:

- ✔ medium active formula,
- ✔ rapid effect,
- ✔ high efficiency,
- ✔ minimum content 24% of non-volatile substances,
- ✔ compliance with ISO 9454 type 1134 and J-STD-004 ROL0 standards,
- ✔ No Clean - no need to remove residues after soldering.

### Applications:

- ✔ assembly of SMD and BGA components,
- ✔ manual tinning and restoration of solderability,
- ✔ tinning of wire ends,
- ✔ soldering of passivated surfaces and mixed assembly,
- ✔ machine soldering.

Physicochemical properties	
Appearance	Amber liquid
Odor	Alcohol-resinous
Density at 20°C	0.85 g/cm <sup>3</sup>
Viscosity at 20°C	25 cP
Soldering temperature	up to 280°C
Water solubility	Insoluble in water
Content of non-volatile substances	min. 24%
Volume resistivity (ASTM D1169)	1.2*10 <sup>4</sup> p <sub>v</sub> Ω x m 1.2*10 <sup>6</sup> Ω x cm
Shelf life	3 years



**Compatibility:**

Flux TK83 is safe to use with most electronic components. Its non-corrosive residues and neutral formula ensure long-term protection and reliability of soldered joints.

Application method	
Bottle/Canister	Yes
Marker	Yes
Brush	Yes
Flux wave	Yes
Flux foam	Yes
Spraying with flux	Yes
Dipping in flux	Yes

**Usage instructions:**

**Restricted to professional users. Read safety data sheet carefully prior to use.**

Before starting soldering, apply a small amount of flux to the working area. Solder at an appropriate temperature not exceeding 280°C to achieve a perfect joint. The product is ready for immediate use.

In case of interruptions in the operation of flux dispensing devices, we recommend periodically flushing the system with Alcohol PCB Cleaner. This agent removes dried No Clean flux residues more effectively than isopropyl alcohol, preventing nozzle clogging and maintaining process stability.

Package	
Marker	8 ml (ART.AGT-249) - 2 pcs.*
Bottle with brush	50 ml (ART.AGT-044) - 8 pcs.* 100 ml (ART.AGT-045) - 8 pcs.*
Bottle/Canister	500 ml (ART.AGT-075) - 2 pcs.* 1 l (ART.AGT-076) - 1 pc.*

\*Quantity of pcs. in a bulk package.

**Storage:**

Store the material in plastic containers (e.g., HDPE, PP or PVC). Containers must be kept tightly closed in a dry, ventilated room inaccessible to children, at a temperature of 5–25°C. Do not store together with oxidizing substances.

**Technical support:**

AG TermoPasty provides technical support, answering questions about the technical specifications and applications of our products. Please contact us via email at [info@termopasty.pl](mailto:info@termopasty.pl).

**Note:**

The data presented in this document reflects our current level of knowledge and describes the typical properties and applications of the product. However, the responsibility for determining its suitability for specific applications lies with the user. AG TermoPasty is not liable for the results of product use, as the conditions of application fall beyond our control.

