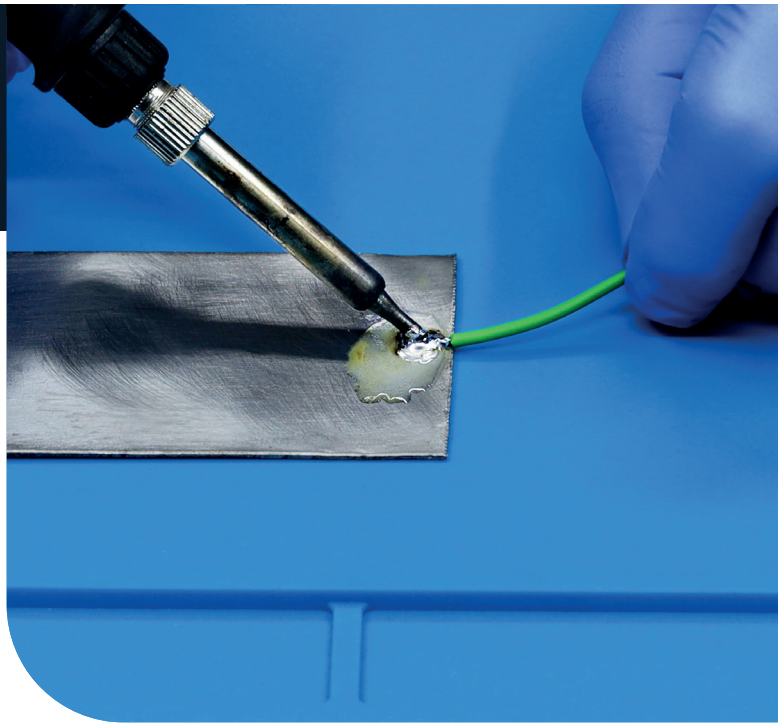
Flux TS81



A rosin-free, highly active flux composed of a mixture of inorganic and organic compounds. The product is designed for soldering steel, including stainless steel, as well as chromium-nickel alloys. Thanks to its advanced formula (ISO 9454 Type 3314 / J-STD-004 INH1), it ensures strong, precise, and durable solder joints, regardless of the material's hardness. The product is water-soluble, making it easy to remove after the soldering process.

Product features:

- high chemical activity and excellent wettability,
- effective soldering of even difficult-to-solder materials,
- viscous consistency (347.7 cP),
- minimal content of non-volatile residues (below 24%),
- compliance with ISO 9454 Type 3314 and J-STD-004 INH1,
- Water-soluble - requires rinsing with demineralized water after soldering.

Applications:

- soldering various types of steel,
- soldering stainless steel,
- soldering chromium-nickel alloys.

Physicochemical properties	
Appearance	Transparent liquid
Odor	Sharp, irritating
Density at 20°C	1.16 g/cm^3
Viscosity at 20°C	347.7 cP
pH (1% aqueous solution)	1.2
Water solubility	Soluble in water
Shelf life	3 years

Compatibility:

Flux TS81 is safe for a wide range of materials; however, its residues can be corrosive. After soldering, these residues should be removed using water or a dedicated Water PCB Cleaner, which prevents corrosion and eliminates deposits.

Application method	
Bottle	Yes
Brush	Yes
Dipping in flux	Yes

Usage instructions:

Restricted to professional users. Read SDS carefully prior to use.

Before application, ensure the surface is clean and degreased. Apply the flux directly to the soldering area using a brush or another suitable method. After soldering, clean the area thoroughly (e.g., at 50°C) using a brush, then rinse with demineralized water or a cleaning solution. For optimal results, use Water PCB Cleaner, which effectively prevents corrosion and contamination of soldered elements.

Package	
Bottle with Brush	100 ml (ART.AGT-046) - 8 pcs.*
Bottle	500 ml (ART.AGT-082) - 1 pc.* 1 l (ART.AGT-083) - 1/4 pcs.*

*Quantity of pcs. in a bulk package.

Storage:

Store the material in plastic containers (e.g., HDPE, PP, or PCW). Containers should be tightly sealed and kept in a dry, ventilated area, 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.

Note:

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