

DeoxIT® Brand Rosin Soldering Flux

For electrical and electronic soldering applications

Part No.: EŽRSF-R80Ž 9

Formulation: 50-60% WW Gum Rosin
 15-25% DymereX Rosin
 15-25% Diethylene Glycol Dibutyl Ether

Container Size: RSF-R80-8G syringe 8 g



Description

RSF Rosin Flux is a mildly-activated rosin flux that is considerably more active than water-white rosin. Although its activity closely approaches that of fully activated rosins, it still conforms to all of the requirements of Type RMA (Rosin Core, Mildly Activated) of Federal Specification QQ-S-571. The RSF paste flux meets DOD-STD-2000 & also the IPC-J-004 standard for type ROL0, the lowest residue corrosivity category. Thermal stability enabling excellent wetting and reduced carbonization at soldering temperatures. RSF-R80 Rosin Flux is MADE IN USA.

Application

The active ingredients in RSF-R80 are non-ionic and non-conductive even in the presence of moisture. Like rosin, it becomes active only at elevated temperatures, reverting to an inactive state at room temperature. It is recommended for all applications where post-soldering cleaning is not feasible, and the residue must be highly insulating.

Physical Properties

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|-----------------------------|-----------------------------|
| Softening Point | 160°F (71°C) |
| Rosin Grade | WW per Fed. Spec. LLL-R-626 |
| Acid No. (of Rosin) | 150 |
| Water Extract Resistivity | 110,000 ohm-cm |
| Effect on Copper Mirror | None |
| Fungus Resistance | Per MIL-E-5272 |
| Nonflammable, noncorrosive. | |



Residue Removal

In applications requiring cleaning, RSF-R80 flux residues can be readily removed using an aqueous saponifier cleaning process. Can be removed by wiping with a cloth or with cleaning solvent (Radio Shack® Precision Electronic Cleaner #64-4345 or DeoxIT® Flux WASH #DFW-V710).

Availability

RSF-R80 is available in standard 2 ounce (26 gms), 8 ounce (226 gms) and bulk drums

Safety

RSF-R80 is not considered toxic; however, its use in typical soldering processes will generate a small amount of decomposition and reaction product fumes. These fumes must be adequately exhausted for operator safety and comfort.