

SRA #135 ROSIN FLUX & TY-98 BRASS COILS KIT



Product Description

This kit pairs the venerable SRA #135 rosin flux paste with a high-quality brass coil tip cleaner. Proper tip maintenance and quality flux is necessary for effective soldering. Unlike many paste fluxes, #135 does not contain any Zinc Chloride or Ammonium Chloride, making it a safe and ideal choice for electrical and electronic applications.

Key Features

- Ideal for electrical and PCB repairs
- Contains Type RA (Rosin-Activated) Flux that does not need to be cleaned
- 2 ounces (56.6 grams) in a jar
- Active Temp. Range: 93 – 315°C / 200 – 600° F
- Dimensions: 2.5" Dia x 1" H (64 x 25.5 mm)
- Weight: 2.5 Oz (70.8g)
- Brass coils will not reduce tip temperature
- Soft brass coils are tough enough to remove oxidation but not tip plating.
- Easy to use – simply plunge soldering tip into it.

Physical Properties (Flux)

| | |
|--|---------------------------------------|
| Form | Colophony Amber Paste |
| Specific Gravity | 0.95 – 1.00 |
| Flash Point | 285°C/540°F |
| Boiling Point | 337°C/640°F |
| Total VOC | 3.00% |
| VOC Less Water and Exempt Solvents | 3.00% |
| Spread Factor | 80 |
| Minimum Soldering Temperature Range | 93°C – 315°C / 200°F– 600°F |
| Shelf Life | Two (2) years if stored closed |



Specifications

Federal Specifications O-F 506C, Type I, Form A; MIL-S-6872A; IPC ANSI-JSTD-004 ROH1.

Directions

1. **Prep Surfaces** - remove any dirt, rust, grease, paint, and other contaminants with sandpaper, wire brush, steel wool, etc. For many applications, the residues can be removed with just a rag and some isopropyl alcohol. These impurities may prevent solder flow so it is important not to proceed until clean metal is visible.
2. **Choose an Applicator** - various tools can be used for applying the flux, including toothpicks, acid brushes and spatulas. Wires and components can simply be dipped as well. One of the benefits of paste flux opposed to liquid is that it will stay put wherever you apply it.
3. **Apply the Flux Paste** - Using your applicator of choice, apply the flux to the target areas you are about to solder. The exact amount applied will depend on the job but in general use just enough to cover the area to be soldered in an even coating. Remember that the solder will flow to where the flux is so make sure to apply only where it is needed to prevent solder bridges and mess.
4. **Apply Heat and Solder** - Use a soldering iron or hot air gun to bring to melting temperature and solder. Remove heat and allow to cool. Remove residue with rag if wanted.

Safety Precautions

SRA No. 135 contains Petrolatum, Rosin, and an organic flux activator. Inhalation of fumes can cause injury to the respiratory tract and skin. In case of external contact, wash with soap and water. For eyes, flush with water for 15 minutes and get immediate medical attention. If swallowed, give plenty of water or milk and call a physician. Keep out of reach of children. Do not store near heat, as Petrolatum melts at 135°F.



How to Clean Using Brass Coils

1

Plunge the hot soldering iron into the brass coils but not too deep because you will hit the bottom of the container and risk damaging the tip.



2

To take it up a notch, you can twist the iron with your fingers while cleaning to help get all sides. Try not to keep jabbing the same spot, move around to disperse the solder and ensure effective cleaning.

3

When the solder and flux build-up start affecting cleaning, flip over the coils and use the clean side to extend its life.

PRO TIP: When there's too much solder applied to your tip or you want to simply remove excess, you can flick it off into your sponge to remove quickly. Be careful of molten solder and wear safety protection.

