



SUPERIOR No. 142-5



Water Soluble Tinning Flux

DESCRIPTION

Superior No. 142-5 is a water soluble soldering paste that contains Zinc Chloride, Ammonium Chloride, Phosphoric Acid, and Tin. The water solubility leads to ease of removal and the paste form insures that the flux stays put until soldering. The Tin allows for tinning of metal surfaces.

APPLICATIONS

Superior No. 142-5 is useful on most common metals except Aluminum and Magnesium. It is employed mainly in plumbing and maintenance applications.

DIRECTIONS

Superior No. 142-5 is generally applied using an acid brush. The flux is active between 95-315°C/200-600°F. Although the flux is self-cleaning, it is recommended that the parts first be cleaned with a rough surface. The residues can be removed with a hot water 60°C±5°C /140°F±10°F for best results. However, the following cleaning steps must be followed in critical applications:

1. Rinse in hot water containing 2% HCl solution.
2. Use as many hot deionized water rinses as necessary.

PHYSICAL PROPERTIES

Form	Grey Paste
Specific Gravity	1.00 – 1.20
Spread Factor	80 Minimum
Soldering Temperature Range	95°C – 315°C /200°F– 600°F

THIS PRODUCT IS RoHS COMPLIANT

SAFETY PRECAUTIONS

Superior No. 142-5 contains Zinc Chloride, Ammonium Chloride, and Tin. 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. Refer to the Material Safety Data Sheet (MSDS) for additional information.

Superior No. 142-5 has a two (2) year shelf life.

Superior manufactures quality fluxes. Our business is solving problems.

