

## 282 Flux-Cored Wire

Mildly Activated Rosin Flux for Cored Solder Wire

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### Product Description

Kester 282 Flux-Cored Wire is a mildly activated rosin that consists of high quality grade WW rosin to which a very small amount of an extremely effective activating agent has been incorporated. 282 is classified as Type ROL1 flux under IPC ANSI/J-STD-004 Joint Industry Standard. It was formerly classified as Type RMA per MIL-F-14256.

282 was developed for use in the electronics industry where a more active flux than plain rosin is required, but where highly activated fluxes are considered potentially conductive. 282 has particular application where difficult assemblies are to be soldered but the flux residue must be electrically inert.

282 provides a greatly increased fluxing ability; however, the residue is nearly as electrically inert as plain, unactivated rosin flux. The low conductivity results from a negligible amount of ionic residue. The low ionic content in the flux is shown by the very high water extract resistivity. The rosin residue is non-corrosive, moisture and fungus resistant, and non-conductive.

### RoHS Compliance

Kester does not determine any applicable Restriction of Hazardous Substances (RoHS) exemptions for our lead containing products at the user level. (Applies only if this core flux is combined with a lead-free alloy.)

### Availability

282 is available in any solder alloy, which can be supplied with a core. Please refer to <http://www.kester.com> for more information.

### Cleaning

Since the rosin residue is dry and practically inert after soldering, the surface is actually insulated from atmospheric corrosion. Residue removal is usually not required, but, if necessary for appearance or utility reasons, the rosin residue can be completely removed with Kester 5240 Rosin Residue Remover or 5768 Bio-Kleen Aqueous Saponifier.

## Storage, Handling and Shelf Life

Storage must be in a dry, non-corrosive environment between 10 to 40 °C (50 to 104 °F). The surface may lose its shine and appear a dull shade of grey. This is a surface phenomenon and is not detrimental to product functionality. Flux-cored solder wire has a shelf life determined by the alloy used in the wire. For alloys containing more than 70% lead, the shelf life is 2 years from the date of manufacture. Other alloys have a shelf life of 3 years from the date of manufacture.

## Health and Safety

This product, during handling or use, may be hazardous to your health or the environment. Read the Safety Data Sheet and warning label before using this product. Safety Data Sheets are available at <https://www.kester.com/downloads/sds>.

## Contact Information

To confirm this document is the most recent version, please contact [Assembly@MacDermidAlpha.com](mailto:Assembly@MacDermidAlpha.com)

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Also read carefully warning and safety information on the Safety Data Sheet. This data sheet contains technical information required for safe and economical operation of this product. READ IT THOROUGHLY PRIOR TO PRODUCT USE. Emergency safety directory assistance: US 1 202 464 2554, Europe + 44 1235 239 670, Asia + 65 3158 1074, Brazil 0800 707 7022 and 0800 172 020, Mexico 01800 002 1400 and (55) 5559 1588

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