

Dross Reduction Bar

Introduction

During wave soldering, when the molten solder contacts the air and manufacturing environment, a chunky layer of metal collects on the smooth surface of the molten solder—solder dross. Indium Corporation’s **Dross Reduction Bar** aids in the reduction of this solder dross build-up within Indalloy®291 solder pots. It has been observed that as dross levels rise within a solder pot, wetting performance will be reduced. By reducing dross formation, the **Dross Reduction Bar** also reduces the amount of solderable metal lost in the solder pot, providing the user a considerable cost-savings over time.

Features and Benefits

- Reduced dross build-up
- Improved wetting performance
- Aesthetically sound fillets
- Cleaner option compared to oils designed for the same purpose

Adding to an Indalloy®291 Solder Pot

To produce a deoxidized solder pot, a calculated amount of **Dross Reduction Bar** will need to be added to the pot. Shorting or exceeding this calculation for **Dross Reduction Bars** can adversely affect soldering performance. Upon request, Indium Corporation will analyze the solder pot and provide technical support regarding how much **Dross Reduction Bar** should be added to optimize the solder pot. When adding the **Dross Reduction Bar** into the solder pot, it is recommended to do so into the solder pot only. We do not recommend adding the **Dross Reduction Bar** into the wave.

Standard Packaging and Availability

Form	Packaging
Bar Solder Chips	25lbs per box

Solder and Solder Dross Recycle Program

The Solder and Solder Dross Recycle Program is a service offered by Indium Corporation to complete the usage cycle for bar solder. Up to 50% of bar solder used in wave soldering will be converted to dross, which still contains mostly usable metal. Indium Corporation can recycle these materials and return the metal value to you as a credit, or convert them to usable bar for a fee. During an alloy switchover, use Indium Corporation’s recycling service to reclaim value on the pot dump and leftover bar. For more information about our Solder and Solder Dross Recycle Program, please send an email to askus@indium.com.

Technical Support

Indium Corporation’s internationally experienced engineers provide in-depth technical assistance to our customers. Thoroughly knowledgeable in all facets of Materials Science as it applies to the electronics and semiconductor sectors, Technical Support Engineers provide expert advice in solder properties, alloy compatibility and selection of solder preforms, wire, ribbon, and paste. Indium Corporation’s Technical Support Engineers provide rapid response to all technical inquiries.

Safety Data Sheets

The SDS for this product is available by contacting askus@indium.com

This product data sheet is provided for general information only. It is not intended, and shall not be construed, to warrant or guarantee the performance of the products described which are sold subject exclusively to written warranties and limitations thereon included in product packaging and invoices. All Indium Corporation’s products and solutions are designed to be commercially available unless specifically stated otherwise.

All of Indium Corporation’s solder paste and preform manufacturing facilities are IATF 16949:2016 certified. Indium Corporation is an ISO 9001:2015 registered company.

From One Engineer To Another®

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Learn more: www.indium.com

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