PRODUCT DATA SHEET

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.

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

Standard Packaging and Availability

<table>
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<tr>
<th>Form</th>
<th>Packaging</th>
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<tbody>
<tr>
<td>Bar Solder Chips</td>
<td>25lbs per box</td>
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From One Engineer To Another

Contact our engineers: askus@indium.com
Learn more: www.indium.com

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