



Luke Palen - CCC Sales
Spectro Alloys Corp
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Customized Clean Charge (CCC) Overview

Meet spec and save money with furnace-ready shredded and dried aluminum

What is Custom Clean Charge?

- Shredded and dried to conform with the EPA definition of Clean Charge material
- Direct charge that can be blended and used alone or mixed in with ingot to replace 356, 380 and other alloys
- Significant savings compared to aluminum in ingot or sow form
- Packaging options: Loose, Box, Super Sacks, Dump Hoppers



Triple Check QC Process

Spectro's Triple Check QC process helps make sure that CCC material meets your expectations and specifications. We work with our extensive vendor network to identify quality scrap material and then visually inspect three times during our production process to ensure quality. We guarantee our CCC material conforms to the EPA's "clean charge" definition.

CCC Implementation

Interested in saving money with Spectro's CCC aluminum? We can ship you a trial load, and be on site with you for your first run to help optimize efficiency and answer questions. In addition, we offer ongoing blending support to make sure your finished product is consistently in spec. Luke Palen is our CCC specialist and can help implement this cost savings measure.

To learn more, contact Luke Palen at 651-480-6111 or lpalen@spectroalloys.com.

***EPA Certified Clean Charge**

***Consistent Chemistry**

***Triple Check QC**

***Blending Support**



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Customized Clean Charge (CCC) Scrap Sales Certification

Spectro Alloys Corporation (Spectro) operates a secondary aluminum processing facility in Rosemount, Minnesota. The facility is subject to the National Emission Standards for Hazardous Air Pollutants (NESHAP) for Secondary Aluminum processing, codified in 40 CFR Part 63, Subpart RRR. Spectro processes scrap aluminum in its hammer mill, dryers, and furnaces. The scrap dryers process the metal at 482°C (900° F) or higher to delacquer/decoat the metal.

The U.S. Environmental Protection Agency defines "clean charge" in 40 CFR 63.1503 as follows:

"Clean charge means furnace charge materials including molten aluminum, T –bar, sow, ingot, billet, pig, alloying elements, aluminum scrap known by the owner or operator to be entirely free of paints, coatings, and lubricants; uncoated/unpainted aluminum chips that have been thermally dried or treated by a centrifugal cleaner; aluminum scrap dried at 343°C (650 °F) or higher; aluminum scrap delacquered/decoated at 482°C (900 °F) or higher; and runaround scrap.

Certification

All processed aluminum scrap for sale by Spectro Alloys Corporation that is designated as "clean charge" has been delacquered/decoated in Spectro's scrap dryers at 482°C (900° F) or higher.

Disclaimer of Warranties

To the extent consistent with applicable law, Spectro Alloys Corporation makes no warranties, express or implied, of merchantability or of fitness for a particular purpose or otherwise, that extend beyond this certification. This Disclaimer of Warranties may not be amended by any oral or written agreement. Spectro Alloys Corporation shall not be responsible for customer's use of clean charge scrap and customer's resulting compliance with any environmental, health, safety, or other laws and regulations. Customer is responsible for any alloy certification that extends beyond this certification. Further, the alloy shipped is an approximate chemistry and may need to be altered for use for a particular purpose.

Respectfully,

SPECTRO ALLOYS CORPORATION

Todd Siebenaler
Plant Manager

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