

COPPER SUPPLY CHAIN EXPLAINED: WHERE DOES YOUR COPPER COME FROM?

OVERVIEW

Copper inputs for rod production can come in a variety of forms, and each form possesses a drastically different supply chain and carbon footprint. **COPPERWORKS** is the only North American copper rod and wire producer to manufacture copper rod and wire from both primary and circular copper.



1 TON OF MINED EARTH = LESS THAN 1% COPPER CONTENT



PRE-CONSUMER COPPER



POST-CONSUMER COPPER

PRIMARY COPPER

Primary copper generally refers to copper that has been mined. Primary copper is often used to manufacture copper cathode, which is the most common input for copper rod production. Cathode is a thin sheet of refined copper, and it is the product of copper ore being extracted, concentrated, refined, cast, and electrolytically processed. This supply chain can be energy intensive and carries environmental and social impacts.

CIRCULAR COPPER

Circular copper comes from existing copper products that are the result of manufacturing processes or have fulfilled their usable life cycle. Through our proprietary technologies, COPPERWORKS is able to utilize circular copper, skipping all intermediary steps, to directly produce a finished product. COPPERWORKS is the only rod and wire producer to offer Infinity™ products that contain 100% recycled content, minimizing environmental impact.

GLOBAL WARMING POTENTIAL

Extraction and
Upstream Production



Transport



Manufacturing



COPPER CATHODE
CO₂ Emissions

**PRE- AND POST-
CONSUMER COPPER**
CO₂ Emissions



YOUR CHOICE IN COPPER

COPPERWORKS offers three product choices: Elemental, Infinity, and Advantage Copper Rod and Wire.

ELEMENTAL ROD AND WIRE

Elemental Copper Rod and Wire is electrolytic, which is one of the most widely used copper products in electrical applications. Our Elemental Copper Rod and Wire products are ideal for producing drawn wire used in high-performance industries, including automotive, construction, electrical, medical, aerospace, cable, and telecommunications.



INFINITY COPPER ROD AND WIRE

Infinity Copper Rod and Wire is made from 100% recycled content. Our state-of-the-art technology refines reclaimed copper, which can be recycled an infinite number of times, making this product highly sustainable and environmentally friendly. Proven through a third-party, life-cycle assessment to have the lowest carbon footprint, Infinity Copper Rod and Wire can reduce CO₂ manufacturing emissions by 75%. It is used to make a variety of high-performance conductors.



ADVANTAGE COPPER ROD AND WIRE

We manufacture Advantage Copper Rod and Wire using our state-of-the-art refining process. It meets or exceeds ASTM B49 requirements and is used in building wire, power cable, utility cable, and other conductive applications.



We make copper work for our customers and our planet. Contact our team of experts for your copper rod and wire needs.
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