



**AMCOL Corporation**

Proven technology, refined over decades.

# 2200 CHARCOOL Series

## Synthetic Coolants for Welded Tube and Roll Forming

**2200 CHARCOOL** is a series of water-miscible synthetic coolant concentrates used to cool, lubricate, and prevent corrosion in the forming and fabricating of welded tubes and cold roll-formed profiles.

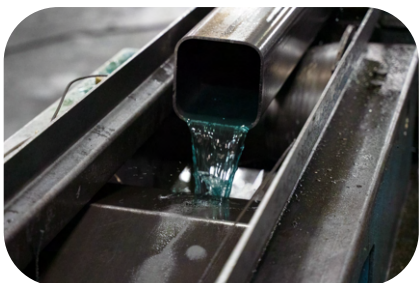
Decades ago, Roll Forming and Welded Steel Tube producers began transitioning from oil emulsion coolants to water-based synthetics to achieve enhanced lubrication, cleaner processes, improved biostability, and extended sump life. AMCOL has been a leader at developing high performance synthetics for Roll Forming and Welded Steel Tube production. AMCOL's **2200 CHARCOOL series** of synthetic coolants has been refined over decades to provide real lubrication solutions to manufacturers.



There are 3 versions of **2200 CHARCOOL** available:



**2200 LX CHARCOOL:** AMCOL's premier coolant package. Used where severity of forming requires high lubrication to prevent galling and pick-up. This coolant contains special additives to provide enhanced rust protection and biostability.



**2200 GT CHARCOOL:** Extremely popular product with a proven history in the manufacturing of carbon, stainless, aluminized, galvanized, and other steels. Provides maximum oil rejection properties and exceptionally clean final product.

**2200 ZF CHARCOOL:** Provides all the benefits of 2200 LX with enhanced hard water stability and galvanized corrosion protection.



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### Features and Benefits of 2200 CHARCOOL:

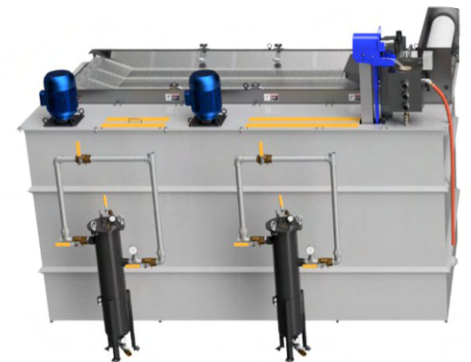
- Exceptionally clean on equipment and finished product
- Easily removed for secondary fabrication and coating
- Low odor with extremely long sump life
- Easy to maintain
- Drops out solids
- Increased tool life
- Filterable to 5 microns.
- Elevated resistance to fungi and bacteria



### Application Method:

**2200 CHARCOOL** coolants are typically flooded over tooling to help wash scale and other contaminants back to your filtering and skimming system. The CHARCOOL series efficiently rejects tramp oils and drops out solids, so filtration and tramp oil removal systems can be most effective. AMCOL recommends the CHARCOOL products are diluted with 10 parts water to 1 part concentrate. Tooling design, severity of forming, storage conditions, and the type of metal being formed can affect in-use dilution levels.

The **3076 Coolant Purification System** is designed to optimize the performance of the **2200 CHARCOOL series** in tube and roll form mills. The **3076** is a complete coolant sump, filtration, and oil skimming package that polishes your coolant before returning to the mill to be flooded over the process. Many mill manufacturers recommend **3076** for new installations or upgrading existing lines.



### Cleaning Method:

All products in the **2200 CHARCOOL Series** may be removed using a mild alkaline cleaner solution. Be sure to adequately remove water/coolant mixture from ID and OD prior to bundling of tubes and profiles.



**AMCOL Corporation**  
21435 Dequindre  
Hazel Park, MI 48030  
248-414-5700  
fx. 248-414-7489  
[www.amcolcorp.com](http://www.amcolcorp.com)  
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