

# Silcosteel® Deactivated Stainless Steel Tubing

Thank you for your purchase of our Silcosteel®-coated tubing. The Silcosteel® coating is the most inert substrate available for the transfer of low-level polar organic compounds.

## Instructions for Use

**Maximum temperature:** 400°C

**Minimum suggested bending radius:**

$1/16$ -inch OD = 1-inch radius

$1/8$ -inch OD = 2-inch radius

$1/4$ -inch OD = 4-inch radius

**Handling:** Handle the Silcosteel® tubing as you would any stainless steel tubing. Take precautions to avoid sharp bends or bends tighter than the minimum suggested bending radius. Any bend sharper than those listed may cause the tubing to stretch, potentially creating active sites as the coating layer density decreases. Additionally, we recommend passing a burst of nitrogen or clean compressed air through the tubing (at approximately 50 psi) to prevent damage from any particles released during the stress of bending. Once the tubing has been blown out and put into service, additional particle generation will not occur.

**Cutting:** Cut the tubing ends with a standard metal tubing cutter. Point the tubing end down when cutting or reaming to prevent metal filings from depositing inside the bore. Always blow out tubing sections after cutting and end-cleaning to ensure the removal of all metal or coating particles generated during cutting.

**Solvent compatibility:** Silcosteel® tubing is compatible with a wide variety of organic solvents including methylene chloride, pentane, acetone, methanol, and water. Avoid hydrofluoric acid and bases or strong hydrochloric solutions. These acids and bases will damage the Silcosteel® layer.

**Call Technical Service at 800-356-1688 or 814-353-1300, ext. 4  
(or your Restek representative) if you have any questions about this product or  
any other Restek product.**



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