

# Internal Coating U.S. Options Summary



COATING OPTION	COATING DESCRIPTION	APPLICATION OF COATING
Apple Wax	<ul style="list-style-type: none"> <li>• <u>Product Name:</u> Decco Lustr Shellac Coating</li> <li>• This product is an alcohol containing shellac based coating for use on fresh apples.</li> <li>• It contains FDA approved food grade ingredients listed in CFR 21 for coatings on apples, including water, natural resins, fatty acid soaps, ammonia, silicone antifoam and isopropanol.</li> </ul>	<ul style="list-style-type: none"> <li>• This product is applied to the unpainted, interior surfaces of the JACOB tubing components to prevent rusting until the parts are installed.</li> <li>• It will potentially wear off over time when in contact with the conveying product.</li> <li>• Product thickness = unspecified</li> </ul>
Abrasion resistance	<ul style="list-style-type: none"> <li>• <u>Product Name:</u> Carboline Plasite 7122 VAR</li> <li>• This product is a cross linked epoxy-phenolic, cured with a polyamine curing agent. It is formulated with particular attention to wide chemical resistance and ease of handling.</li> <li>• It is resistant to a wide range of acids, alkalies and solvents.</li> <li>• It complies with FDA 21CFR 175.300 criteria for food contact.</li> </ul>	<ul style="list-style-type: none"> <li>• This product is applied to the interior surfaces of the JACOB tubing components to prevent wear.</li> <li>• Product thickness = approx. 0.006" to 0.007"</li> </ul>
Corrosion/impact resistance	<ul style="list-style-type: none"> <li>• <u>Product Name:</u> PC-500H1/2/3 (HALAR)</li> <li>• This product offers excellent resistance to a wide variety of corrosive chemicals and organic solvents, including strong mineral and oxidizing acids, metal etchants, chlorine and aqueous caustics, liquid oxygen. It provides a tough, smooth, slick, surface that is highly impact resistant. It is more abrasive resistant than, for example, TEFLON.</li> </ul> <p><b>IMPORTANT NOTE: The maximum length of the tube that can be supplied with this coating is limited to approximately 4x the diameter (e.g., for 100mm dia.. the longest tube is 500mm lg.; for 200mm dia., it is 1000mm lg.)</b></p>	<ul style="list-style-type: none"> <li>• This product is applied to the interior surfaces of the JACOB tubing components to prevent wear.</li> <li>• Due to the processing temperature, all JACOB parts are painted after treatment.</li> <li>• Product thickness options:               <ul style="list-style-type: none"> <li>○ OPTION #1: 0.005" to 0.010"</li> <li>○ OPTION #2: 0.010" to 0.017"</li> <li>○ OPTION #3: 0.018" to 0.025"</li> </ul> </li> </ul> <p><b>NOTE: Please provide desired thickness.</b></p>
Corrosion resistance	<ul style="list-style-type: none"> <li>• <u>Product Name:</u> PC-20000A/B/C (TEFLON)</li> <li>• This product offers excellent corrosion resistance and very good release/cleanability. It is more resistant to higher temperatures than, for example, HALAR.</li> </ul> <p><b>IMPORTANT NOTE: The maximum length of the tube that can be supplied with this coating is limited to approximately 4x the diameter (e.g., for 100mm dia.. the longest tube is 500mm lg.; for 200mm dia., it is 1000mm lg.)</b></p>	<ul style="list-style-type: none"> <li>• This product is applied to the interior surfaces of the JACOB tubing components to prevent wear.</li> <li>• Due to the processing temperature, all JACOB parts are painted after treatment.</li> <li>• Product thickness options:               <ul style="list-style-type: none"> <li>○ OPTION #1: 0.005" to 0.010"</li> <li>○ OPTION #2: 0.010" to 0.017"</li> <li>○ OPTION #3: 0.018" to 0.025"</li> </ul> </li> </ul> <p><b>NOTE: Please provide desired thickness.</b></p>