



INDCO, Inc. Surface Finish Guide

INDCO products are offered in a variety of surface finishes based on application or relevant industry standards.

STANDARD MILL FINISH:

#2B: An annealed, pickled and cold rolled finish for sheet steel that includes a final pass using polished rollers. Material appears gray in color with grain lines and a bright finish. Typical applications include INDCO standard finish mixing vats.

MECHANICALLY POLISHED FINISHES:

A series of increasingly smooth surface finishes achieved through mechanical polishing followed by buffing. Finish designations, polishing media, roughness average (Ra) and general applications are as follows:

#3: A smooth satin finish that shows grain lines achieved with the use of 80 grit abrasives. Stainless steel process drums and mid-size stock pots are sample applications.

#4: A smoother satin finish than #3 achieved using abrasives from 150-180 grit. Surface finish values are from 20 to 40 Ra (micro-inches) and are specified for wetted parts in many pharmaceutical applications.

#7 - #8: Progressively finer polished and buffed finishes with high reflective quality. These finishes are achieved through use of 300-400 grit abrasives followed by buffing. Surface finish values are generally less than 25 Ra (micro-inches) and are free from pits or voids. These finishes are specified where stringent sanitary equipment operation is required.

ELECTROPOLISH

A shiny, highly reflective finish achieved through an electrochemical process. Electropolishing follows mechanical finishing to #7 or #8 and removes the “peaks” from the remaining surface profile. Surface roughness values are generally less than 20 Ra (micro-inches). Bio-pharmaceutical mixing vessels and associated components are general applications for electropolished materials.