

AMHERST STAINLESS FABRICATION, LLC

PROCESS TANKS & SYSTEMS

Material Finishes

Finish	Description
Hot Rolled	Mill Plate, Scale, Rough Dull Surface Appearance
2B Mill Finish (2B)	A smooth, bright, moderately reflective finish suitable for “as is” specifications or a preliminary finish for further polishing.
#3 Finish	A semi-polish surface achieved by finishing with the equivalent of a 120-Grit (40-49 Ra) abrasive. This finish has pronounced grit lines.
#4 Finish	A sanitary, general purpose, bright finish with visible grain which prevents mirror-like reflectivity. Use where sanitary surfaces are required. 180 Grit (30-39 Ra)
#4 Dairy Finish	A sanitary, general purpose, bright finish with visible grain, brighter than the standard #4 Finish. Meets current 3A standards. 240-Grit (28-32 Ra)
#6 Finish	Polished finish achieved with the equivalent of a 240-Grit (20-29 Ra) abrasive. Finer grit lines provide higher reflectivity than a # 4 Finish.
#7 Finish	Highly reflective surface obtained with the equivalent of a 320-grit (10-19 Ra) abrasive. Minimal grit lines. Used where product-contact surfaces are critical.
#8 Mirror Finish	Polished to a 2-4 Ra then hand buffed to a higher luster mirror finish.
Electropolish (E/P)	Highly reflective surface that provides the level of product release and cleanability required by the material, chemicalpharmaceutical, and electronic industries. Process removes surface materials and impurities but may not remove non-metallic inclusions that may be present in parent material. Grit lines characteristic of each finish may be visible.
Bead Blast	Uniform satin gray appearance. Welds are blasted to remove discoloration

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Tank Finishes

Material Finish	
Hot Roll Plate	
2B	Mill Gauge
#3	120-Grit (40-49 Ra)
#4	180-Grit (30-39 Ra)
#4 Dairy	240-Grit (28-32 Ra)
#6	240-Grit (20-29 Ra)
#7	320-Grit (10-19 Ra)
#8	Mirror (2-4 Ra)
E/P	Electropolish
Bead Blast	

Weld Finishes	
As Welded	Crown, ripples & discoloration present
Color Clean	As welded, discoloration removed
Color Clean & Striped	As welded, discoloration removed, with 2" wide uniform stripe
Smooth	Smooth, crown and some slight ripples present, weld is not flush with parent material, discoloration completely gone.
Flush	Flush, crown, ripples and discoloration are gone. Weld is flush with parent material and has the same grit and Ra as the parent material