

# Avins Tank Finishes

## Material Finish

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

## Weld Finish:

**As Welded:** Crown, ripples & discoloration present

**Color Clean:** As welded, discoloration removed

**Color Clean & Striped:** As welded, discoloration removed, w/2" wide uniform stripe

**Smooth :** Smooth, crown & some slight ripples present, weld is not flush w/parent material, discoloration completely gone

**Flush :** Flush, crown, ripples & discoloration are gone: weld is flush w/parent material and has the same grit and Ra as the parent material

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**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 an 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. Meets current 3A standards. 180 Grit (30-39 Ra)

**#6 Finish:** Polished finish achieved with the equivalent of a 240-grit (20-29 Ra) abrasive. Finer grit lines and higher reflectivity than No. 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 high luster mirror finish.

**Electropolish (E/P):** Highly reflective surface that provides the level of product release and clean ability required by the medical, chemical pharmaceutical, 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.