



## TANK & BOND SPECIFICATIONS

### All Acrylic Sheet is Domestic and Conforms to Federal Specification LP-391 (ASTM-D-4802)

#### Standard Grade:

- Bond Joint Glue: Weld-On 40 for material greater than 1/2 thickness & solvent bond 1/2 and under
- Bond Joint Type: Vertical & Horizontal joints are butt
- Vertical seam area matte sanded on Weld-On 40 type joints. Flame polish solvent type bonds ( 1/2 or less in thickness).
- Visual Quality: See Note \*\* Below for Panel Only Specification
- Top and bottom seam wet sanded to a matte finish 1/2 beyond bond joint. (Non-Viewing area)
- Top center supports for tanks over 50

#### Deluxe Grade:

- Bond Joint Glue: Weld-On 40
- Bond Joint Type: Butt
- Outside vertical seams are wet sanded and polished, yielding transparent, smooth seams.
- Top and bottom seam Area is wet sanded to a matte finish 1/2 beyond bond joint.
- Visual Quality: Meet or Exceeds Minimum Requirements for Federal Specification LP-391 (ASTM-D-4802)
- Top center supports for tanks over 50

#### Deluxe Grade:

- Bond Joint Glue: Weld-On 40
- Vertical Bond Joint Type: Butt (corner bonds)
- Horizontal Bond Joints: Butt (Top & Bottom)
- Polished Radius on inside vertical corners
- Polished Radius on outside vertical edges
- Vertical seams are annealed to remove stress and increase bond strength.
- Vertical seams are wet sanded inside and out yielding a high-quality polished bond joint that appears seamless.
- Visual Quality: \*\*Meet or Exceeds Minimum Requirements for Federal Specification LP-391 (ASTM-D-4802)
- Horizontal top and bottom seam are wet sanded to a matte finish æ beyond bond joint.
- Top center supports for tanks over 50

\*\*CAL Aquaria Spec: Only inclusions whose diameter or length exceeds the significant dimension of 32 mm (0.125) shall be considered. Inclusions in excess of 6 mm (0.250) in two dimensions are considered unacceptable. The number of allowable inclusions per panel is limited based on view and area affected. Maximum discernible inclusions per vertical bond are three. Unless otherwise stated dimensional tolerance is +/- 1/4 over 8ft.

#### **OPTIONS & EXTRA**

- Horizontal top and bottom seam area polished. (Deluxe Grade)
- Vertical Deluxe Grade with inside radius like Exhibit Grade (Custom)
- Splash covers for tank openings
- Bulkhead fittings
- Overflows, weir box and scuppers
- 1/4 black/blue laminated to inside of sides and or back of tank.
- Tank outside panels painted and covered with black vinyl (Paint Color Optional)