



OrixPool Professional Resource & Technical Support Manual 2026

1. Technical Specification Sheet (TDS)

This specification applies to all OrixPool products, compliant with Australian Standard **AS 5348:2022**.

- **Material:** 100% Virgin LDPE with proprietary Orix™ UV-inhibitors and anti-oxidants.
- **UV Performance:** Specifically engineered for the Australian UV index; blocks over **99%** of UV degradation.
- **Light Transmittance:** 80% to 90%(varies by transparency) for maximum thermal gain.

Product Name	Bubble Geometry	Thickness	Weight (GSM)	Tensile Strength	Expected Life
Essential 400™	Classic Circular	400µm	370g/m2	≥20MPa	3-5 Years
Standard 500™	Classic Circular	500µm	460g/m2	≥23MPa	5-8 Years
Pro 610™	Classic Circular	610µm	560g/m2	≥26MPa	8-10 Years
Performance 500™	Plum-Hex™	500µm	480g/m2	≥28MPa	10 Years
Ultra 610™	Plum-Hex™	610µm	580g/m2	≥32MPa	12 Years

Orix Marine-Spec Roller (Titan-Roll™)

- **Frame:** Constructed from Marine-Grade 304 Stainless Steel (Premium SS316 option available) for ultimate corrosion protection, ideal for the harsh Australian coastal environment.
- **Tube:** High-tensile 6063 Anodised Aluminium tubes, available in 100mm or 110mm diameters to ensure zero sagging over long spans.
- **End-Stand:** UV-Stabilized Glass-filled Nylon components for maximum durability and total rust resistance.
- **Operation:** Equipped with sealed high-precision bearings, allowing effortless single-person operation for covers up to 12m wide.
- **Mobility:** Features UV-resistant PU wheels with a secure locking mechanism, providing a perfect balance of portability and stability.

2. Comparison & Upselling Guide

- **Essential 400™ (Value Choice):** Ultra-lightweight; perfect for budget-conscious residential projects.





- **Standard 500™ (Market Benchmark):** The reliable standard for the Australian B2B market.
- **Pro 610™ (Industrial Strength):** Significantly reduces nocturnal heat loss and offers peak tear resistance.
- **Plum-Hex™ Series (The High-End Upgrade):**

Performance 500™: Superior structural integrity compared to standard circular covers.

Ultra 610™: Flagship product. The unique hexagonal geometry provides **40% more uniform** wall thickness, effectively eliminating structural weak points and increasing resistance to pool chemicals.

3. | Installation & Care Manual

- **Installation:** Bubble side must face **DOWN** (in contact with water). The smooth side faces the sun.
- **Trimming:** Allow 24 hours for the cover to flatten before trimming to the pool shape.
- **Chemicals: Remove** the cover during "Shock Chlorine Dosing." Replace only when chlorine levels drop below 3ppm.
- **Roller Storage (Critical):** When the cover is stored on the roller, a **Protective Overcover must be used**. Unprotected covers on reels can reach 80°C under the sun, causing terminal delamination.

4. Detailed Warranty Terms

OrixPool provides an industry-leading "Full Replacement + Pro-rata" warranty structure.

Series	Full Replacement	Pro-rata Period	Total Warranty
Essential 400™	2 Years	3 Years	5 Years
Standard 500™	3 Years	5 Years	8 Years
Pro 610™	3 Years	7 Years	10 Years
Performance 500™	3 Years	7 Years	10 Years
Ultra 610™	3 Years	9 Years	12 Years
Titan-Roll™ Roller	3 Years (Frame)	-	3 Years

Warranty Exclusions: Damage from excessive chlorine (> 3ppm); melting/burning caused by failure to use a reflective overcover on the roller; physical tearing/abrasion from dragging on rough coping; Storage temperature must not exceed 45°C.

