



Helpful Information for You  
and Your Pool

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Replaces	

## POOL WATER BALANCE – QUICK REFERENCE SHEET

### *LSI Targets for Different Pool Surfaces (Australia & NZ)*

**Goal:** Keep LSI between **-0.3 and +0.3**, with a “sweet spot” depending on the surface.

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#### PLASTER / PEBBLECRETE

**Ideal LSI:** 0.0 to **+0.2**

**Calcium Hardness:** **250–400 ppm**

**Target pH:** 7.6–7.8

**Total Alkalinity:** 70–90 ppm

**CYA:** 30–60 ppm

**Watch for:** Etching, roughness, scale on steps and SWG cells.

**Tips:** Avoid low calcium, avoid long-term tablet use, test CH monthly.

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#### TILED POOLS (Ceramic/Glass with Cement Grout)

**Ideal LSI:** -0.1 to +0.1

**Calcium Hardness:** **200–350 ppm**

**Target pH:** 7.4–7.8

**TA:** 80–100 ppm

**CYA:** 30–60 ppm

**Watch for:** Grout erosion, staining, scale lines.

**Tips:** Maintain calcium even with tiles; protect grout.

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#### FIBREGLASS

**Ideal LSI:** -0.2 to 0.0

**Calcium Hardness:** **150–250 ppm**

**Target pH:** 7.4–7.6

**TA:** 70–90 ppm

**CYA:** 30–60 ppm

**Watch for:** Chalkiness, fading, heater scale.

**Tips:** Avoid high pH and massive acid dumps.

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## VINYL LINER

**Ideal LSI:** −0.3 to 0.0

**Calcium Hardness:** 100–200 ppm

**pH:** 7.4–7.6

**TA:** 80–100 ppm

**CYA:** 30–60 ppm

**Watch for:** Wrinkles, fading, foamy water.

**Tips:** Don't let pH drop too low; vinyl hates acidity.

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## PAINTED POOLS (Epoxy Fluoropolymer & Rubber)

**Ideal LSI:** −0.2 to +0.1

**Calcium Hardness:** 150–250 ppm

**pH:** 7.4–7.6

**TA:** 70–90 ppm

**Watch for:** Chalkiness, blistering, peeling.

**Tips:** Keep water gentle; avoid extreme highs/lows.

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## SPAS & HOT TUBS

**Ideal LSI:** −0.2 to 0.0

**CH:** 150–250 ppm

**pH:** 7.4–7.6

**TA:** 60–80 ppm

**Tips:** Everything happens faster in hot water — test often.

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## GOOD HABITS FOR ANY POOL

- Test **pH, TA & chlorine weekly, CH monthly, CYA every 4–8 weeks.**
- Adjust slowly — avoid big swings.
- For salt/mineral pools, expect pH creep; control gently.
- For trichlor/dichlor pools, watch for falling TA and rising CYA.
- Maintain your LSI close to **zero** and equipment will last longer.