

Material & Seam Reinforcement Comparison

Purpose of This Comparison

Durability issues in splash pads almost always come from material fatigue and seam failure, not surface wear.

This comparison explains why reinforced construction matters for real backyard use.

1. Material Thickness & Structure

Feature	Our Splash Pad	Typical Splash Pads
PVC Thickness	Heavy-duty PVC	Thin PVC
Material Feel	Firm, structured, flexible	Soft, flimsy
Resistance to Stretching	High	Low
Long-term Shape Retention	Stable	Prone to warping

Why this matters:

Thicker PVC distributes pressure from running, jumping, and turning. Thin material stretches unevenly and weakens quickly under water pressure and body weight.

2. Seam Construction Comparison

Seam Design	Our Splash Pad	Typical Splash Pads
Seam Type	Double-layer reinforced seam	Single-layer seam
Welding Area	Wider bonding zone	Narrow bonding line
Stress Resistance	High	Low
Common Failure Risk	Very low	Seam splitting or bursting

Engineering logic:

Seams are the most stressed points during use.

Double-layer seams spread tension across a wider area, preventing sudden tearing when kids run or step near the edge.

3. Real-World Use Impact

Handles repeated daily use throughout summer

Maintains edge shape even with water pressure

Designed to reduce early seam failure-the most common reason splash pads are replaced

Conclusion:

Durability isn't about looks-it's about material thickness + seam engineering working together.