

Driving Arena Sand Spec

Engineered for firm wheel traction, consistent depth, and stability.

Sand Specification

Specification	Recommended Range
Sand Type	Washed silica, sub-angular
Particle Size (D50)	0.30 – 0.60 mm (medium to medium-coarse)
Gradation	Well-graded for firm pack
Fines Content (<0.075 mm)	5% – 9% by weight — needed for wheel pack
Particle Shape	Sub-angular for interlock
Hardness (Mohs)	≥ 6.5 silica
Footing Depth	2.0 – 3.0 inches — firmer and shallower than ridden disciplines
Base	Tightly compacted stabilized aggregate, 6 in
Moisture Target	10% – 14% — LOCK + irrigation
Recommended Additives	Higher FIBR for wheel-track stability; moderate LOCK; minimal FLEX.

Why This Spec Works

- Firm, shallow profile prevents wheels from sinking and rutting.
- Higher fines + LOCK keep the surface bound under wheel pressure.
- FIBR resists wheel-track formation under repetitive lines.

Outdoor-Specific Considerations

- Drag pattern matters — follow a 2-direction rotation to prevent rut formation.
- Crown base 1% with positive drainage; standing water creates wheel slip.

Common Failure Modes to Avoid

- **Too deep / too soft:** wheels sink, horse over-works.
- **Low fines / no LOCK:** wheel ruts form within days.

Need a tuned ArenaSpec™ for your facility?

Every arena is different. Climate, base condition, traffic, and discipline intensity all change the ideal blend. Request a custom ArenaSpec™ Report Card at performancefooting.com or call 877-835-0878.

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