

Western Performance Arena Sand Spec

Engineered for traction-to-release balance, dust control, and fast reset.

Sand Specification

Specification	Recommended Range
Sand Type	Washed silica, sub-angular to sub-rounded blend
Particle Size (D50)	0.25 – 0.45 mm (fine to medium)
Gradation	Well-graded
Fines Content (<0.075 mm)	4% – 8% by weight
Particle Shape	Mixed sub-angular/sub-rounded for grip + release
Hardness (Mohs)	≥ 6.5 silica
Footing Depth	3.0 – 4.0 inches
Base	Compacted stabilized aggregate, 4–6 in
Moisture Target	9% – 13% — LOCK strongly recommended
Recommended Additives	Moderate FIBR + LOCK for dust control. Arena Green™ western blend on request.

Why This Spec Works

- Blended particle shape supports transitions between grip-heavy maneuvers and slide-heavy maneuvers.
- Moderate FIBR holds depth under daily traffic with low grooming.
- LOCK manages dust for indoor and outdoor multi-use programs.

Outdoor-Specific Considerations

- Crown base 1% with perimeter drains.
- Mid-day watering during peak summer dust conditions.

Common Failure Modes to Avoid

- **Too dusty:** insufficient LOCK or excessive fines >10%.

- **Too round:** insufficient grip on pivot and lateral work.

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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