

# Hunter / Jumper Arena Sand Spec

Engineered for stable takeoffs, cushioned landings, and consistent tracks.

## Sand Specification

Specification	Recommended Range
Sand Type	Washed silica, sub-angular
Particle Size (D50)	0.25 – 0.50 mm (medium), well-graded
Gradation	Well-graded 0.1 – 0.6 mm; minimal >1.0 mm fraction
Fines Content (<0.075 mm)	< 3% by weight
Particle Shape	Sub-angular — required for takeoff interlock
Hardness (Mohs)	≥ 6.5 silica; reject soft carbonate sands
Footing Depth	3.5 – 4.0 in for hunters · 4.0 – 5.0 in for jumpers
Base	Compacted stabilized base + geotextile separator over free-draining sub-base
Moisture Target	10% – 14% — LOCK plus irrigation
Recommended Additives	Higher FIBR for takeoff/landing stability, FLEX for concussion, moderate LOCK. Arena Green™ hunter/jumper blend on request.

## Why This Spec Works

- Sub-angular particles interlock at takeoff so the horse pushes off a stable platform.
- Low fines keep the surface free-draining and resist cupping at fence bases.
- FIBR holds depth between fences; FLEX softens landing without making the canter feel deep.

## Outdoor-Specific Considerations

- Crown the base 1% – 1.5% with positive drainage to perimeter channels.
- Install geotextile separation between base and footing.
- Refresh landing zones every 30–60 days under heavy show schedules.

## Common Failure Modes to Avoid

- **Rounded river sand:** shifts under takeoff, cups out landings.
- **High fines (>5%):** seals the surface, slick after rain.
- **Skipping FIBR:** depth migrates away from fence lines.

### **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](http://performancefooting.com) or call 877-835-0878.

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