

# Dog Agility Arena Sand Spec

Engineered for canine traction, joint safety, and fast drainage.

## Sand Specification

Specification	Recommended Range
Sand Type	Washed silica, sub-angular
Particle Size (D50)	0.20 – 0.40 mm (fine to medium)
Gradation	Well-graded; rounded edges to protect paws
Fines Content (<0.075 mm)	< 4% by weight — low dust priority
Particle Shape	Sub-angular with mildly rounded edges
Hardness (Mohs)	≥ 6.5 silica
Footing Depth	1.5 – 2.5 inches — much shallower than equine
Base	Compacted stabilized aggregate, 4 in, free-draining
Moisture Target	10% – 14% — LOCK + light irrigation
Recommended Additives	Light FIBR for contact-zone stability; FLEX for joint cushion; LOCK for dust suppression.

## Why This Spec Works

- Shallow profile sized for canine biomechanics, not equine.
- FLEX absorbs repeated impact from contacts and jumps.
- Low fines + LOCK protect respiratory health during high-effort runs.

## Outdoor-Specific Considerations

- Drainage is critical — dogs cannot work in saturated footing safely.
- Inspect and refresh contact zones (A-frame base, dogwalk landing) weekly under heavy use.

## Common Failure Modes to Avoid

- **Equine-depth profile:** too deep, fatigues dogs and risks injury.

- **High fines:** respiratory issues for dogs at speed.

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

This spec sheet reflects general industry guidance for outdoor arenas built on a properly engineered base. It is not a substitute for site-specific testing. Performance Footing® and ArenaSpec™ are trademarks of Performance Footing.