PLAY ZONE OBSTACLE COURSE EQUIPMENT

COMMERCIAL MODULAR NINJA & SOFT PLAY ADVENTURE SYSTEM

Technical Data Sheet
Model: PZ-OBS-8000

The **Play Zone Obstacle Course Equipment** is a heavy-duty, modular adventure play system designed for commercial indoor play centers, trampoline parks, and outdoor recreation zones. Engineered with high-grade galvanized steel framework, high-density flame-retardant foam, and UV-stabilized PVC cladding, it offers an engaging combination of agility challenges, climbing zones, balance tracks, and safe impact zones.

KEY STRUCTURAL & SAFETY FEATURES

- **Modular Grid System:** Interchangeable obstacle modules (stepping pads, cargo nets, balance beams, swing logs).
- **Anti-Climb Safety Netting:** High-tensile PE mesh netting (50 mm mesh size) surrounding all elevated platforms.
- **Flame-Retardant Materials:** Fully compliant with international fire safety standards (ASTM E84 / EN 13501-1).
- **High-Impact Padding:** 50 mm thick high-density EPE foam padding wrapped in heavy-duty 0.55 mm PVC leather.
- **Corrosion-Resistant Steel Frame:** Hot-dip galvanized structural steel post framework with rounded safety clamps.
- **Multi-Age Zone Design:** Scalable difficulty levels designed for age groups 4–7 years, 8–12 years, and 13+ teen/adult tracks.

TECHNICAL SPECIFICATIONS

PARAMETER	SPECIFICATION VALUE
Target Age Range	5 to 15 Years (Customizable for Adult Ninja Courses)
Standard Footprint (L × W × H)	12.0 m × 6.0 m × 3.5 m (Custom Layout Available)
Frame Structure Material	Q235 Hot-Dip Galvanized Steel Pipes (Ø 48 mm, Wall: 2.75 mm)
Padding & Cover Material	High-Density EPE Foam covered in 1000D / 0.55 mm PVC Vinyl
Ropes & Netting	Ø 16 mm Steel-Core Combination Rope & Knotted PE Safety Net
Maximum Simultaneous Users	Up to 25 Children / 15 Adults
Maximum User Weight Limit	100 kg per individual user station
Landing Protection System	200 mm High-Density Foam Landing Pit / Modular Safety Mats
Safety Certification Standards	ASTM F1487 / EN 1176 / ISO 9001 / CE Certified
Fire Safety Compliance	BS 5852 / CAL 117 Flame Retardant Rating

PARAMETER	SPECIFICATION VALUE
Color Customization	Full RAL Powder Coat & PVC Color Customization Options
Estimated System Weight	Approx. 1,850 kg (Standard 12x6m Configuration)

APPLICATIONS & VENUE TYPES

Indoor Family Entertainment

Soft play centers, indoor adventure parks, trampoline parks, and mall play zones.

Sports & Fitness Clubs

Junior ninja warrior training, obstacle fitness courses, and athletic agility zones.

Resorts & Schools

Commercial resorts, activity camps, theme parks, and school physical education areas.

* Installation must be completed on a level, structurally sound concrete base with approved impact-absorbing safety surfacing beneath all high-activity drop zones.