



Natural Sports

# Materials and Specifications

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Natural Sports Parkour training facilities are crafted predominantly from a mixture of concrete and steel.

### Concrete

Prefabricated double layer reinforced walls and blocks with a minimum thickness of 200mm.

All concrete products are available in a range of colours to suit the environment they are in. Colours available include: Green, Brown, Yellow, White and Grey (please ask for details). Additional charges apply for non-standard concrete colour.

Depending on the individual facility design there are various surface finishes available:

- Smooth finish.
- Sandblasted to create coarse surface finish.
- Technical treatment to create coarse surface finish.
  - Heavy acid etch
  - Medium acid etch
  - Light acid etch
  - Ex mould
  - Polished finish

Where joints between elements are considered an entrapment under BS EN 1176 an elastic filler is used to gap fill, an elastic filler is used so that any movement or settlement of the elements does not cause the joint to crack and disintegrate.

Natural Sports have sourced UK manufacturing facilities for the majority of our concrete products to reduce our carbon footprint and we endeavour to ensure that our suppliers use sustainable sources for the raw materials they use in their manufacturing processes and use the most efficient process when manufacturing.

The environmental policies for Natural Sports and our suppliers are available on request.

### Steel

All steel bars, frames and other components have one of the following finishes:

- Hot dip galvanised.
- Stainless steel.

Tubular Steel overall outside diameter varies depending on the proposed use. In most circumstances the diameter is 48mm.

Square Steel: In some circumstances where specified square steel can be used in a facility, exact specifications of which would be confirmed in the circumstance it is used.

Sheet Steel: In some circumstances where specified sheet steel can be used in a facility, exact specifications of which would be confirmed in the circumstance it is used.

All steel parts are connected firmly to suit the manufacture and installation process. Methods of fixing include: Bolting, pre-welding, welding on site, built into elements or cast into concrete foundations.

Where our steel components are connected to concrete elements we use an 80mm x 120mm 5mm thick galvanised steel plate with two chemical fixings.

All steel components that are installed into the ground are installed to a minimum depth of 700mm and have at least 500mm of concrete.

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### **Rubber Step Posts**

This product is hydraulically pressure moulded using Styrene Butadiene Rubber Granules, IE: Recycled Truck Tyres. They are bonded using a ratio of high quality moisture curing polyurethane pre-polymer.

The Step Posts are 250mm in diameter and have a height range of 200-800mm. The top face is embossed to add grip and is finished with a 10 x 45mm moulded chamfer.

Step Posts are designed to either be a playground seat or a stepping post within an adventure trail or Parkour Training Facility. They are secured to the ground by mounting them onto a 60.8mm diameter 'concrete-in' Steel Fixing Post.