

# MATERIALS & FIXINGS

Schoolscapes use the highest quality raw materials and components to manufacture our products. This is reflected in our finished product and supported by our extensive warranties and guarantees (see page 7). See website for full list of materials and finishings [www.schoolscapes.co.uk](http://www.schoolscapes.co.uk)

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MATERIALS



## Timber

Our Timber is pressure treated to protect against rot and the natural weathering process. It also gives the timber protection against fungal decay and insect attack, while conforming to BS/EN Standards. No further treatment is required.

All Schoolscapes timber is sourced from sustainable woodland, certified by the Forestry Stewardship Council (FSC).



## Timber Round Section

Our Machine Rounded Timber sections are pressure treated and use safe TanalithE for long service life. The poles are laminated for extra strength.

The timber is quality assured and features a sanded finish to reduce splintering and create surfaces which are smooth to the touch.



## High Density Polyethylene (HDPE) Panels

Durable and colourful plastic panels that are 100% recyclable and available in a single or dual colour, with the second colour becoming revealed when the plastic is engraved. (See website for full list of colour choices).

HDPE is a strong material that will not rot, delaminate, splinter or crack and is stain and graffiti resistant. It requires minimal maintenance and colours will not fade in sunlight.



## Polycarbonate Roofing

A roofing option that blocks virtually all UV radiation whilst allowing light through, preventing dark spaces underneath.

Completely waterproof when combined with guttering, this system can create usable sheltered spaces for all year round use.

The translucent sheet material has a good impact resistance, essential for use in areas which are close to ball games.



## Rope

Our steel reinforced rope is made from a Polypropylene centre, surrounded by 6 metal wire rods covered with Multifilament Polypropylene (MFP), providing a softer feel.

Designed specifically for the playground leisure environment in 16mm (5/8") and 18mm (3/4") diameters to meet with British and European safety standards for playground equipment and available in a variety of colours.



## Fixings and Fastenings

Vandal and weather resistant zinc plated, galvanised or Stainless Steel fixings combine bolts, screws and washers for strength, with some recessed and capped for safety and conformance to EN1176 standards.

Tough plastic caps are used which clip over the tops of all exposed bolts. This prevents them being a hazard, stops vandals tampering with the bolts and reduces maintenance required.



## Shade Sail Cloth

Constructed from a specially developed, heavy duty material, Shower-proof Shade Sails provide up to 99% protection from harmful UV rays and reduce temperature in the shaded area by up to 32%.

The knitted structure of the cloth allows the fabric to breathe, which means air can circulate through the fabric to create a substantially cooler environment beneath. It is fray and tear resistant and will not be affected by mould or mildew.



## Tension Structure Fabric

The waterproof structures use a 900gsm PVC fabric. The white fabric is supplied with a 10 year warranty and has an expected life-span of 30 years plus. The coloured fabrics have a 5 year warranty and a life span of 12-15 years.

All of our PVC tension structures are designed to withstand a wind loading of 110mph and a snow loading of around 50kg/m<sup>2</sup>.