



technical info

What is Woven?

A woven surface is manufactured by interlacing two sets of threads at right angles to each other. At the same time the pile is trapped between and around these threads in a 'U' or 'J' shaped tuft. The backing and the playing surface are manufactured as a single item in one process, giving it a high degree of integral strength and reducing tuft loss to a minimum. Play-Rite coats the back of their woven surfaces and this 'locks' the edge tufts into place and assists the installer when trimming and fitting the playing surface.

Woven surfaces can be varied in tuft density and pile height to suit the required playing characteristics of each particular sport. They can be supplied as a pure textile or sand-dressed surface. Sand dressing typically uses one third of the sand in a sand-filled product. Play-Rite's products are designed so that the user plays on the synthetic grass, not on a solid bed of sand.

When used outdoors it is essential that all materials are weatherproof, in addition, when used near swimming pools they must not be affected by chlorine. For this reason the fibres used in Playrite outdoor surfaces are all stable to ultra violet light, ozone and chlorine at high and low temperatures. The polymer used to bind the construction together is fully cross-linked and proof against these elements and is not significantly softened by water.

Playrite's woven products are currently woven from state-of-the-art modified polypropylenes which mop up the free radicals that are caused by exposure to sunlight. Using ordinary polypropylene would result in a waxy residue being formed, having the strength of candle wax. The yarns used in the back of Playrite products are also fully UV stabilised and weatherproof. A further option is to use a low friction or "slide" component in the pile to reduce the risk of friction burns. This is a useful and cost effective alternative to a "watered pitch".