

POLYMERIC ATHLETICS SURFACES

Charles
LAWRENCE
SPORTS SURFACES



Charles Lawrence Surfaces Ltd has over 30 years' experience of designing and constructing polymeric athletics tracks. The company currently offers three different surface systems to suit the different performance requirements and budgets of schools, clubs, local authorities and major competitive venues. All conform to the requirements of the world governing body, the IAAF (International Association of Athletics Federations), for use in international competition.

The company can undertake turnkey contracts: as well as installing the track complete with field event fans and run-ups, we can supply and install fencing, floodlighting, track equipment and spectator facilities. In other cases we act as specialist subcontractors, taking responsibility for the construction of an athletics track within a larger stadium development. We also build individually designed athletics training facilities, for example for football and rugby clubs and for smaller sites where there is not room for a full-scale track.



FEATURES & BENEFITS

Surfaces to IAAF standards for competition, training or combined requirements.

Continuous polymeric materials can be retextured, repaired or totally renewed.

Engineered base using civil engineering 'best practice' provides stability and long life.

Layouts individually designed for local conditions and constraints.

Low maintenance requirements reduce operating costs.

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In consultation with the client, we set out the track and the field-event areas to best advantage, taking account of expected numbers of athletes, the number of lanes required and optimum access from assembly areas. We then undertake the complete civil engineering project. This starts with excavation, installation of drainage and the building of an engineered base of macadam laid on foundations of crushed rock. The specialised polymeric surface is then formed in situ.

We can also report on the condition of existing tracks, give our recommendations and carry out any necessary repair or resurfacing work.

THE THREE SURFACE SYSTEMS



Polytan® PUR is an impervious resilient surface whose relatively hard consistency gives the fast times preferred for top competition tracks. The dense layer of cast elastomer is formed from a flood coat of pigmented polyurethane containing rubber granules. A pigmented polyurethane flow coat is then applied, which is top-dressed with coloured granules of EPDM rubber, forming a bound, textured surface giving the correct traction and slip resistance. The solid material produces an immensely durable track.

Polytan® WS is a porous polymeric surface with softer characteristics that minimise the risks of injury, making it ideal for training tracks and for school and club applications while still being suitable for international competition. The base layer, laid in situ, is a porous matrix of black rubber granules bound with polyurethane resin. A spray-applied structural coat of pigmented polyurethane and coloured EPDM rubber granules produces a textured top surface.



Polytan® M provides a track surface intermediate in both performance and price between Polytan® PUR and WS. The composite surface consists of a porous polymeric base layer, which is sealed and followed by a flow coat of impervious polyurethane top-dressed with EPDM rubber granules. This surface, often referred to as a sandwich system, is also ideal for international competition.

MAINTENANCE & RENEWAL

Routine Maintenance:

Regularly remove loose debris and clean away deposits. Inspect surface annually for growth of moss or weeds.

Professional Maintenance:

Pressure-wash the surface and repaint markings as required. Because the surface is continuous and formed insitu, worn or damaged areas can be retextured and/or repaired when necessary. Ultimately, the polymeric surface can be renewed on the existing macadam base.