



For Maximum Performance Synthetic surfaces from Polytan

For amateur and professional athletes to achieve record times, all the crucial factors must be right. Polytan synthetic surfaces are the perfect basis for achieving individual best times in all disciplines. From soft impact surfaces on playgrounds to professional running tracks, our sports surfaces are energy enhancing and multifunctional. They are robust, durable, shock absorbing and have proven themselves around the world for over four decades.

Synthetic Surfaces

POLYTAN SYNTHETIC SURFACES

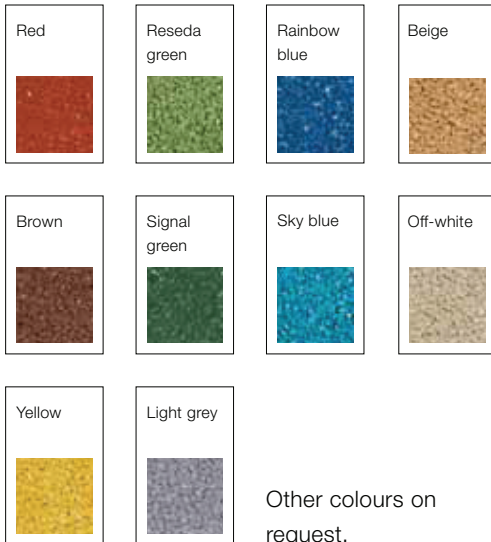
As one of the leading suppliers for synthetic running track surfaces worldwide, we have both a sophisticated as well as innovative range of products for a wide range of demands. We offer waterproof, structured running track surfaces for use in professional competitions and training facilities for ambitious clubs and sports universities as well as municipal sports facilities. They are characterised by high energy-enhancing tread elasticity and designed for use with spiked shoes. In contrast, our water-permeable sports surfaces are the preferred choice for popular and school sports. They combine a high level of wear protection with low maintenance costs and can be used all year round in any weather thanks to their water-permeability.

TESTED AND CERTIFIED

All Polytan synthetic surfaces comply with the current national and international standards, including all environmental requirements. The consistent high quality of our surfaces is ensured by ongoing RAL quality assurance checks – the entire product range carries the requisite quality mark. Polytan running tracks are also tested and certified according to IAAF requirements (International Association of Athletics Federations).

	COMPETITION / STADIUM	MULTIPURPOSE / SCHOOL SPORTS	MULTIFUNCTION	SOFT IMPACT SURFACE	
Polytan PUR	■				Waterproof
Polytan M	■	■			
Polytan WS / WSS	■	■			Water-permeable
Polytan S		■	■		
Polytan SE		■	■		
Polytan FS				■	

Synthetic Surface System Design



POLYTAN SYNTHETIC SURFACES – SYSTEMATIC SUCCESS

Polytan synthetic surfaces impress with their optimum sport functional properties, high durability and long lifespan. This is made possible by the tried and tested Polytan system design, which processes the various components in a multilayer procedure to ideally match the surface to the desired purpose. We manufacture all components, such as the asphalt substrate, base layer, top layer and bonding agents ourselves. They are installed in-situ directly at your site by our own experts on traditional outdoor sports facilities as well as indoors, for example, in athletics halls.

STABLE AND SAFE: ASPHALT SUBSTRATE

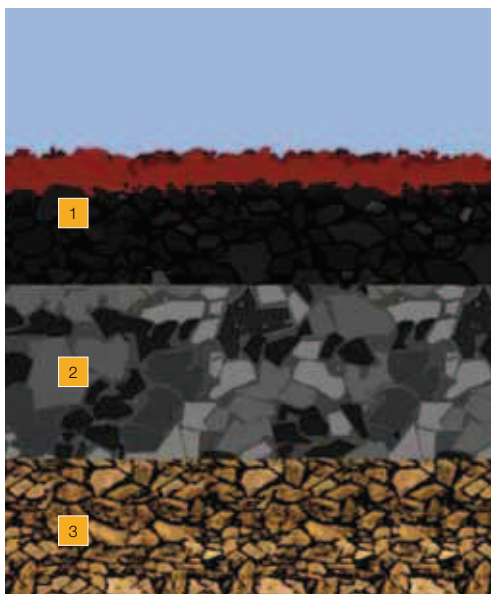
First, a stable asphalt substrate installed as the lowest layer. It is made from natural aggregates and bituminous bonding agents in a single or dual layer construction depending on the purpose.

PERFECT ABSORPTION: BASE LAYER

The base layer consists of rubber granules and polyurethane bonding agents. It helps to make the surface elastic and is cast in a variety of designs and thicknesses. Thanks to the base layer, the synthetic surface ultimately achieves a specific level of shock absorption and provides extremely good conditions not only for all sporting disciplines, but also for use as a soft impact surface in children's playgrounds.

OPTIMISED SPORT FUNCTIONALITY: COATING

The final surface coating also consists of high-quality polyurethane with interspersed granules. The coating's thickness as well as form, quantity and how the granules are interspersed play a crucial role in the sport functional properties of the surface. The focus is placed on energy enhancement (running tracks), shock absorption (e.g. soft impact surface) or a combination of the two (e.g. multifunctional pitches) depending on the product.



SYSTEM STRUCTURE LAYERS:

- 1 PU surface
- 2 Asphalt
- 3 Stone layer

PROFESSIONALLY SEAMLESS INSTALLATION: INSTALLATION

Polytan works with its own site management and installation teams worldwide to guarantee performance and durability of the surfaces. The in-situ method creates a completely seamless surface with consistently high performance characteristics.

THIS IS WHAT CHAMPIONS LOOK LIKE: OUR COLOUR SELECTION

Most sports grounds still have the traditional red running tracks, but modern, UV-resistant formulations and innovative sealing processes have now made it possible to use a wide range of other colours.

