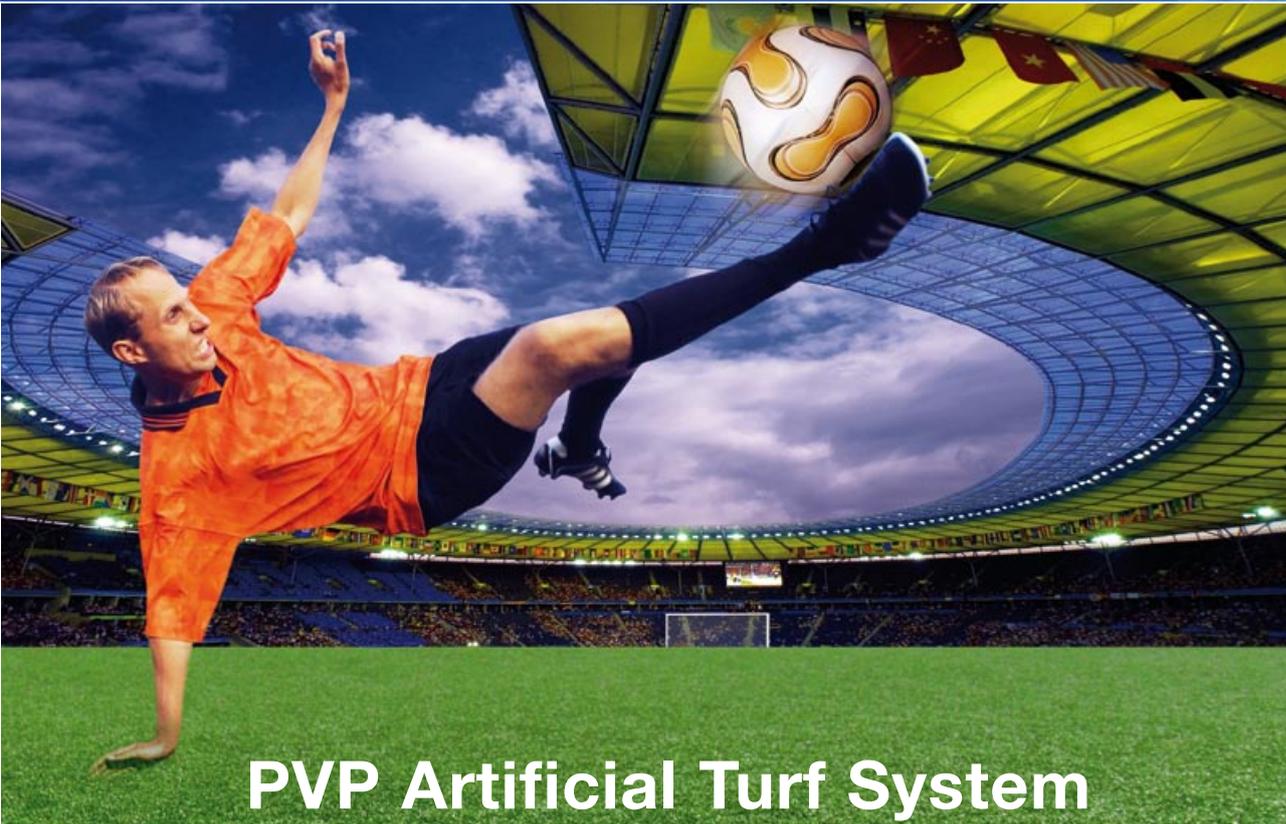




Technologie in Gummi



PVP Artificial Turf System

PROTECTMAT®

ACOUSTICMAT®

SPORTMAT®

TRANSMAT®

MOULDED PRODUCTS

GRANULATE

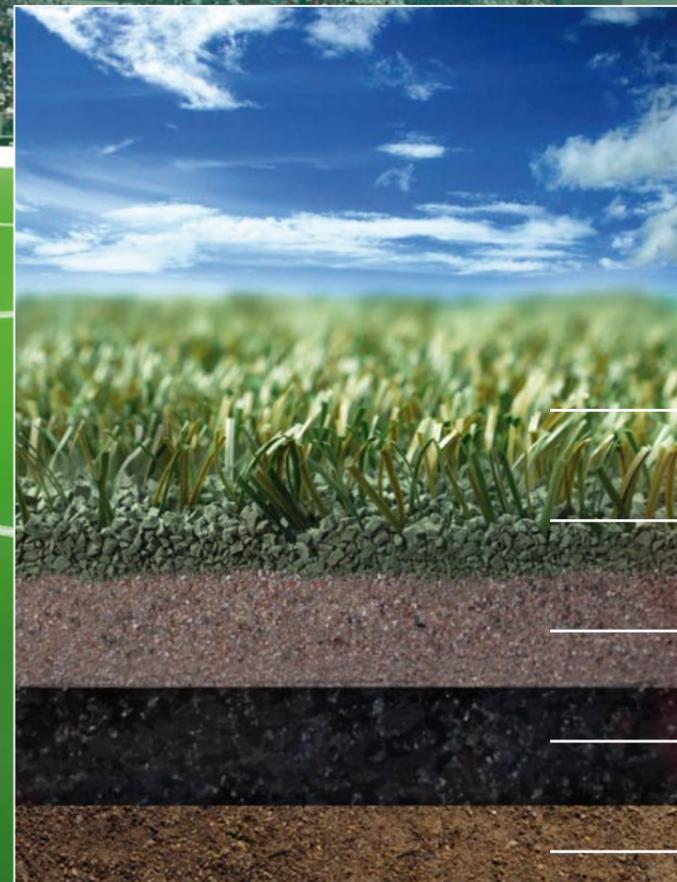
Stay On The Ball: The PVP Artificial Turf System

Maximum durability, low maintenance, and stable playing properties in all weather conditions: those are some of the characteristics describing artificial turf pitches of the latest generation. Modern synthetic grass pitches or multi-purpose fields are the perfect solution for all club and school sports. The multi-layered system is so versatile that it can be designed to accommodate the sporting requirements of many different types of sports from football, hockey, rugby, and tennis, while offering high performance and playability similar to natural grass. Additional advantages are clear: reduced maintenance coupled with a long lifespan and longer playing times makes our artificial turf system an economical winner.

The artificial turf pitch is composed of different installation levels that are professionally coordinated with one another depending on the anticipated usage. We offer various products for each of these levels: rubber granulates for the elastic base for in-situ installations or alternatively a PVP pre-fabricated shock pad (elastic layer) in rolls which allows for quicker installation. Rubber infill granulate is part of the final rubber-sand-layer. Together all products ensure the required sporting and technical requirements of the overall turf system in order to fulfill DIN V 18035-7 and/or EN 15330-1. The result is a long-lasting product for peak performance in sports.

Elastic and practical: The PVP Shock Pad

In most cases, we can recommend the quick and cost effective solution using our shock pads in rolls. This PVP elastic layer is designed individually to suit the different types of artificial grass. The shock pads are produced under optimal factory production conditions and only need to be rolled out on site. Compared to the in-situ installation procedure, shock pads are easy to install and installation is independent of weather conditions. The elastic layer delivers a homogeneous and even surface for the next installation layer and ensures characteristics such as resilience, elasticity and good ball behavior. Shock Pads help protect the joints and muscles of athletes thus reducing the risk of injury.



1. Artificial Grass

2. Infill Granulate

3. Quartz Sand

4. Shock Pad

5. Base

1. Durable for every season: The Artificial Grass

The majority of third generation artificial grass fibers are manufactured using different polyethylene blends as fibrillated or monofilament fibers. The type of artificial grass installed is dependent on the type of sports to be played.

2. Designed to suit the requirements: The Infill Granulate

The infill granulate is made of recycled SBR rubber produced in our own granulation plant equipped with state of the art grinding, separating and sieving technology. Our granulate is continuously monitored for environmental compatibility through external testing institutes. Typical quantities for infill granulate lie between 4 – 8 kg/m².

3. The Infill Material: Quartz Sand

Quartz sand is used as a filler to weigh down and secure the artificial grass carpet. Usual quantities lie between 20 – 30 kg/m².

4. Optimal Playing Characteristics: The PVP Shock Pad

For the various types of artificial turf, PVP produces the required shock pads in thicknesses between 5 and 20 mm and in optimal lengths to fit the installation site. Sporting and technical requirements such as force reduction and deformation are determined by density, structure and thickness and can be adapted to meet specific customer requirements.

5. Demand orientated: The Base

Several construction options are possible for the foundation depending on the sub-soil. The surface includes multiple layers of mixed mineral particles and/or an asphalt drainage layer. The base should fulfill the requirements of DIN V 18035-7 Table 2. The foundation base has an influence on the elastic layer above as well as the quantity of required rubber and sand infill material.



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