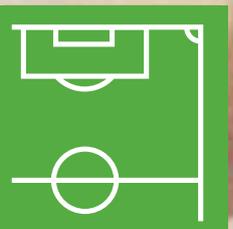




**Porplastic**

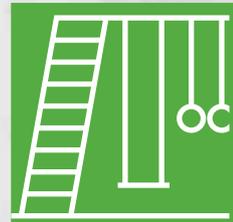
# The Entire World of Sports Surfaces Systems and Services

SPORTS  
SURFACES



SYNTHETIC  
TURF

PLAYGROUND  
SYSTEMS



# Tri-dimensional competence in the manufacture of modern sports floors

50 years experience in building sports surfaces with over 20 million m<sup>2</sup> of installed sports surfaces

- 1. Comprehensive product and system programme** for PUR-bound elastic sports floors, playground surfaces and synthetic turf systems as a complete assembly in accordance with DIN V 18035, parts 6 and 7, and the IAAF guidelines. Products proven in all climates and innovative technical solutions on site.

Only when all elements of a sophisticated system solution complement each other perfectly, can a product be customised to suit individual usage requirements.

- 2. Technical expertise from one single source:** in-house product development, production subject to strict quality control, professional installation of certified systems by the licensing partners of the Porplastic Group and Porplastic Engineering. We carry out the entire installation, from earthworks to the laying of the base course and finally the wearing layer.

The quality standards of our Porplastic sports surfaces are regularly checked by accredited expert institutions, such as the Otto-Graf-Institut at the University of Stuttgart. Independent in-house and third-party supervision are ensured as part of the mandatory quality assurance measures in accordance with DIN 18200 and DIN V 18035-6/7.

Only superior quality can provide a sustainable basis for top performances in the field of sport.

- 3. Porplastic and its licensing partners provide a wide range of services for your sports floor:**

### **System planning + Installation**

Every sports facility has its own specific requirements such as local conditions, multiple usages and special design requests. We create a customised system solution for any challenge and then implement this solution professionally, on time and in a cost-effective manner.

### **Care + Maintenance**

The construction of sports floors goes further than just professional installation: we support our surfaces throughout their entire service life, thereby ensuring top performance and cost-efficient maintenance, even under the highest stresses and loads. External stresses such as UV radiation, abrasion, wear and tear, moss and algae growth can affect any kind of surface. Through regular cleaning, maintenance and preventive repairs, our specialists ensure that your sports floors maintain their value for many years to come.

### **Revitalisation + Renovation**

Aging sports surfaces get a second lease on life thanks to our targeted revitalisation and renovation measures. In many cases, this can postpone the need for a new installation or even avoid it totally.



*Abrasion test*



*Spike resistance test*



*Permanent elasticity test*



*Long-lasting quality through professional care*



*Wear resistance test for artificial turf*



## PORPLASTIC *RACE* PORPLASTIC *INDOOR*

Elastic sports surfaces for all requirements,  
indoor & outdoor



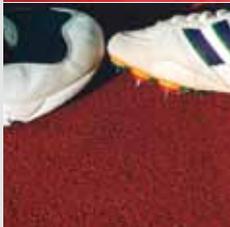
In-house product development, manufacture and installation from one single source are the best assurance of state-of-the-art, cost-effective, durable and environmentally friendly sports flooring systems.

For more than five decades, Porplastic PUR/Rubber granules systems have achieved an excellent track record as sporting surfaces used in mass sports (school sport facilities, running and run-up tracks, playing fields for ball sports and multi-purpose playing fields, tennis courts, sports and multipurpose halls, etc) as well as the optimum surface for pros when performing during top-class level national or international competitions and tournaments.

These systems are just as suitable for new installations as they are for the revitalisation or renovation (retopping) of existing surfaces.



### Systems at a glance



Standard and special sports surfaces systems outdoor

|                                  |  |
|----------------------------------|--|
| PORPLASTIC <b>SB economic</b>    | Structural spray coating permeable, certified in accordance with DIN V 18035/6, coating type A, IAAF-tested and certified                  |
| PORPLASTIC <b>SB plus</b>        | Structural spray coating with additional sealing matrix, the simplest impermeable construction   |
| PORPLASTIC <b>SW competition</b> | Sandwich system, impermeable, certified in accordance with DIN V 18035/6 coating type D, IAAF-tested and certified                         |
| PORPLASTIC <b>SW multitop</b>    | Sandwich system with homogeneous surface and additional anti-slip coating, particularly suitable for indoor sports practiced outdoor       |
| PORPLASTIC <b>M olympic</b>      | Full PUR coating, impermeable, certified in accordance with DIN V 18035/6 coating type E, IAAF-tested and certified                        |
| PORPLASTIC <b>2S game+track</b>  | Elastic layer plus water permeable, homogeneously coloured EPDM wearing course, certified in accordance with DIN V 18035/6, coating type B |
| PORPLASTIC <b>EP court</b>       | One-layer EPDM elastic coating, permeable, certified in accordance with DIN V 18035/6, coating type C                                      |

Coatings for sports halls – all PORPLASTIC *INDOOR* systems tested and certified in acc. with DIN 18032-2, EN 14904 and IHF

|                       |   |
|-----------------------|---|
| PORPLASTIC <b>PEL</b> | Point elastic, PUR bonded systems   |
| PORPLASTIC <b>CEL</b> | Combined elastic PUR bonded systems with point elastic wearing course and area elastic underlayer |
| PORPLASTIC <b>MEL</b> | Mixed-elastic PUR bonded systems with integrated load-distribution layer                          |



# PORPLASTIC **FUN** PORPLASTIC **CITY**

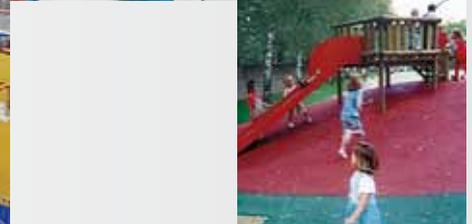
Jointless playground and decorative surfaces  
Disabled access urban spatial design



Playgrounds must be clean, safe and friendly. The highly elastic Porplastic playground surfaces prevent accidents and protect against injuries: jointless surfaces without tripping hazards. In terms of colour, there are virtually no limits to the designer's creativity.

## Benefits at a glance:

- A maximum of playing fun combined with an excellent shock absorption when falling
- Continuous homogenous surfaces without "dishing" or missing slabs
- Hygienic and easily cleaned – no bacterial hotbeds (as when using bark mulch, for example)
- Undulating playscapes or totally level playing fields for ball games and many other uses
- Creative use of colour and variable surface modelling (structure)
- Fixtures and fittings (posts, masts, etc.) are integrated into the surface without any joints or gaps
- Play in any weather conditions – the water-permeable FUN-system prevents puddle formation and reduces algae and moss growth
- Porplastic playground surfaces are weather-resistant – the best warranty for safety, cleanliness, perfect appearance and minimum maintenance requirements for many years to come
- Low maintenance costs, no need for replacing rotting or soiled materials, no need for extensive repairs. Individual defects that may emerge after many years of use are quickly repaired by Porplastic service without leaving any joints
- Certified system for each height of fall
- Special constructions for special applications



## System structure in accordance with DIN EN 1177:

|   |   |
|---|---|
| <b>Highly elastic base mat</b>            | PUR-bound with recycled rubber granules, layer thickness of approx. 30 – 90 mm, in most cases installed directly onto fine subgrade (fine stone chippings or gravel), installation also possible on asphalt or concrete |
| <b>Homogeneous coloured wearing layer</b> | PUR-bound with EPDM granules, layer thickness of approx. 10 – 15 mm   |

The overall water-permeable construction is adapted to suit local conditions and layout requirements. Standard structural thicknesses: 40 mm, 60 mm, 80 mm, 100 mm for the overall system, depending on the height of fall in each case.

### Examples of applications:

Playgrounds with monkey bars, climbing frames and swings, playscapes, play zones in schoolyards, public areas, walkways in kindergartens and schools, recreational parks, toddler zones in open-air pools and other special objects.



# PORPLASTIC **GREEN**

Synthetic turf systems for modern ball sports, leisure and landscaping

The PORPLASTIC**GREEN** system range meets all the demands that can be placed on modern artificial turf and competes with natural grass.

PORPLASTIC**GREEN** surfaces ensure:

- Consistently good game characteristics all year round
- Maximum usability and cost-efficiency of the field with only minimum care and maintenance requirements
- Long life and proven quality (DIN V 18035, part 7)
- Systems tested according to FIFA quality concept
- Excellent sliding behaviour, shock absorption and ball roll behaviour
- Utilisation of environmentally friendly materials

The empirical data gathered by the Porplastic Group over many years of installing and maintaining artificial turf form the basis for the PORPLASTIC**GREEN** system programme. Only those surface types with the best track records are selected from the numerous options available and then developed further. This results in synthetic turfs that are suitable for a wide variety of applications and combine excellent appearance and playability with maximum durability and service life, even under the highest stresses and loads. These synthetic turfs are manufactured exclusively for the Porplastic Group to our precise specifications.

PORPLASTIC**GREEN** systems are top-of-the-range products in the new generation of artificial lawns to satisfy all demands.

Opting for a complete Porplastic assembly in accordance with DIN V 18035/7 means having a professional one-stop shop partner for all your synthetic turf surface requirements.

Artificial turf fields effectively display their full range of excellent properties and their durability only when installed with a customised sub-structure. The use of PORPLASTIC**ET** (elastic bearing layer on fine sub-grade) or PORPLASTIC**ES** (elastic layer on asphalt) ensures consistently good playability and long life while at the same time only requiring little maintenance.



## Systems at a glance

Filled soccer turf made of polyethylene top material

|                              |                                  |
|------------------------------|----------------------------------|
| PORPLASTIC <b>MS classic</b> | Monofilament smooth fibres (MS)  |
| PORPLASTIC <b>MT curly</b>   | or texturised (MT)               |
| PORPLASTIC <b>MS reflex</b>  | with spring-back-yarn-technology |
| PORPLASTIC <b>MS tender</b>  | or supersoft                     |
| PORPLASTIC <b>MS wave</b>    | with wave structure              |

|                            |                    |
|----------------------------|--------------------|
| PORPLASTIC <b>FI smart</b> | Fibrillated fibres |
|----------------------------|--------------------|

|                                 |   |
|---------------------------------|---|
| PORPLASTIC <b>M+F evolution</b> | Combined monofilament smooth and fibrillated fibres |
|---------------------------------|---|

Special turf systems for football, sports, leisure and landscaping

|  |  |
|--|--|
| PORPLASTIC <b>SG multiyarn</b>                               | Unfilled artificial turfs in a range of fibre and colour combinations and different pile heights |
| PORPLASTIC <b>hockey, tennis, golf, leisure, landscaping</b> | Special artificial turf with different pile heights  |

All systems are available in different pile heights, multiyarn versions and multiple or special colours.





# Porplastic

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Porplastic organisation

**More than 50 years experience in building sports surfaces with over 20 million m<sup>2</sup> of installed sports flooring**

Porplastic licensing partners and Porplastic Engineering are successful independent companies with many years of experience in the area of sports floor construction. All of them are committed to the Porplastic quality standard.

Please find your regional Porplastic partner on our website: [www.porplastic.com](http://www.porplastic.com)

### **Good reasons to choose Porplastic:**

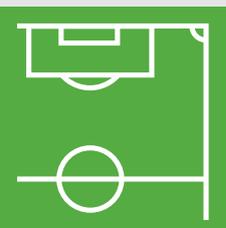
Complete product and system programme for all applications and climates.

Proven and certified systems, innovative consultancy and problem solution.

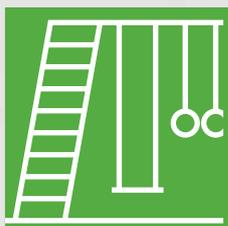
Development, production, quality control, installation and service from one single source.



**SPORTS SURFACES**



**SYNTHETIC TURF**



**PLAYGROUND SYSTEMS**

Porplastic  
Partner