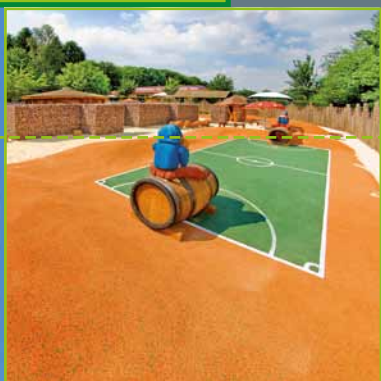


playfix®

Seamless Safety Surfacing

Safe,
high quality,
decorative.





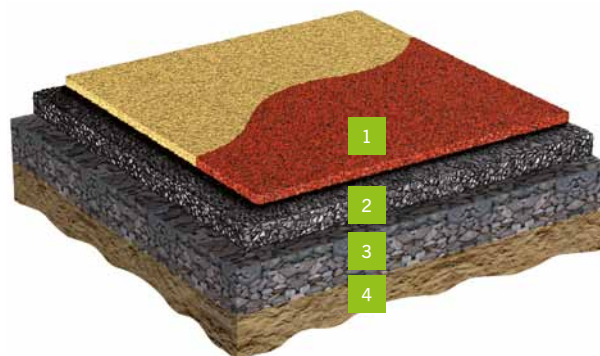
playfix® in Beige (Käthe-Kollwitz-School in Mainhausen, Germany). The colour and the shapes were matched with the front of the building.



playfix® at the Elementary School in Königsbrunn (Germany). The uneven surface builds strong contrasts and even the vaulted structure itself turns the safety flooring into a toy.

playfix®, the Seamless Safety Flooring

playfix® is the seamless floor covering for impact protection, applied in situ. Its versatility is as unsurpassed as the design scope it offers. **playfix® safety flooring** can be applied to smooth, curved or slanting surfaces to create diversified play environments. **playfix®** adjusts to the tiniest uneven patches, creating a smooth, seamless safety surface. Thanks to its water permeability, **playfix®** can be used again quickly after it has rained. **playfix®** complies with Standard DIN EN 1177:2008 for safety surfaces and can provide protection from a maximum fall height of three metres.



1 EPDM wear layer, installed in situ • 2 **Regupol®** base layer, installed in situ with precisely adjustable impact protection height • 3 Unbound (or bound) sub-base in line with DIN V 18035-6 • 4 Natural subsoil

Material

Wear layer consisting of solid-coloured EPDM granules mixed with a PU bonding agent; base layer consisting of SBR granules mixed with a PU bonding agent

Composition

Dual-layer construction consisting of wear layer and elastic base layer

Colours

25 colours and their combinations

Application Areas

Children's playgrounds, outdoor swimming pools, schoolyards, etc., wherever there is an increased risk of injury through falling

Wear Layer:

Thickness 10–15 mm

Elastic Base Layer:

Thickness 20–90 mm

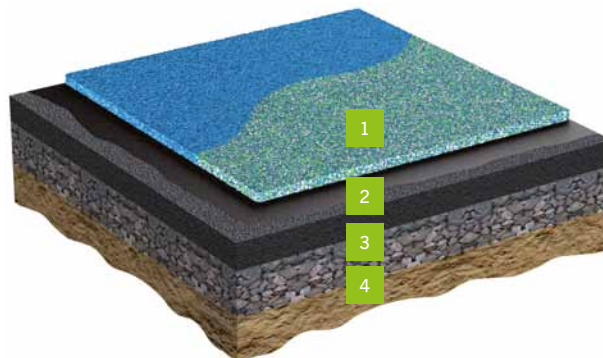
Installation

On unbound or bound sub-bases according to DIN V 18035-6. The unbound sub-base must be compacted to ensure that it is stable and crush-resistant. Installation only by skilled BSW technicians. See instructions for installation on page 100.

Thickness (mm)	Maximum Fall Height (m)
20 + 10	1.20
30 + 10	1.50
40 + 10	1.80
65 + 10	2.20
80 + 10	2.50
90 + 10	3.00

playfix® EPDM IS

The seamless elastic surface as a visual addition to **playfix® safety flooring** is called **playfix® EPDM IS**. It has the same surface (wear layer) but manages without the lower base layer. **playfix® EPDM IS** therefore does not fulfil impact protection requirements but acts as a visual addition to impact protection surfaces, for example on adjacent areas of playgrounds and wherever aesthetically designed, resilient outdoor surfaces are required.



1 Wear layer (made of PU-bonded EPDM granules) • 2 Application of a special bonding agent • 3 Bound sub-base in line with DIN V 18035-6 • 4 Natural subsoil

Material

Wear layer consisting of solid-coloured EPDM granules mixed with a PU bonding agent

Composition

Single-layer construction, 13–15 mm

Colours

25 colours and their combinations

Application Areas

On adjacent areas in playgrounds, for example under seats, table tennis tables, for covering slanting and protruding surfaces, etc.

Installation

Only on bound sub-bases according to DIN V 18035-6. Installation only by skilled BSW technicians. See instructions for installation on page 98.

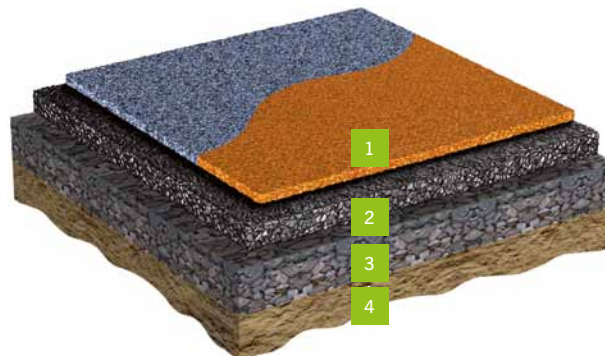
Contact: Dominik Bach, Phone: +49 2751 803-137 • d.bach@berleburger.de • Downloads at www.berleburger.com: Technical Data Sheets, Certificates



playfix® EPDM IS at a kindergarten in Mannheim (Germany). The actual safety flooring area consists of sand, playfix® EPDM IS forms the decorative edge.

playfix® aqua

The **playfix® aqua** safety surfacing provides impact protection in water play areas. The surface remains slip-resistant even when wet, and its open-pored structure is water permeable, preventing puddles from forming permanently. **playfix® aqua** has been specially developed for use in wet areas and does not emit any harmful substances to chlorinated swimming pool water. **playfix® aqua** is available both with or without impact protection properties, and in 25 colours and their combinations.



playfix® aqua with impact protection features:

1 EPDM wear layer • 2 **Regupol®** base layer, installed in situ with precisely adjustable impact protection height • 3 Unbound sub-base according to DIN V 18035-6 • 4 Natural subsoil

Material

Wear layer consisting of solid-coloured EPDM granules mixed with a PU bonding agent; base layer consisting of SBR granules mixed with a PU bonding agent (only **playfix® aqua** with impact protection properties)

Colours

25 colours and their combinations

Composition

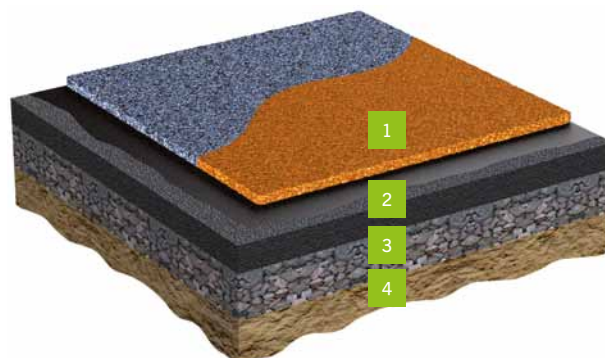
Dual-layer construction of wear layer and elastic safety layer (only **playfix® aqua** with impact protection features)

Application Areas

Surrounding outdoor swimming pools where there is an increased risk of injury through falling

Installation

On bound/unbound sub-bases according to DIN V 18035-6. Installation only by skilled BSW technicians. See instructions for installation on page 100.



playfix® aqua without impact protection features:

1 EPDM wear layer, levelled • 2 Application of a special bonding agent • 3 Bound sub-base according to DIN V 18035-6 • 4 Natural subsoil

Design your playfix®

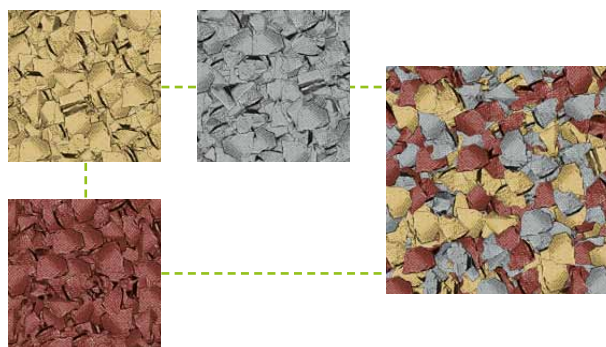
The BSW flooring designer enables you to create individual colour combinations of BSW flooring and to add them to the provided illustrations at our website www.berleburger.com. Construction planners, interior designers and decorators as well as designers have the opportunity to develop and to visualize tailor made flooring designs for their project – online, fast and extremely realistic.

See at our website:

www.berleburger.com/en/bsw-flooring-designer.php.

**BSW
Flooring
Designer**

The seamless surface of **playfix®** makes it perfect for integrating attractive colours, colour combinations and patterns into the general playground design. For many years landscape architects and gardeners have recognised that a creatively designed play area contributes to a more enjoyable play experience and encourages the playing instinct. The colour of **playfix®** can be coordinated with the existing environment or made to contrast dramatically – the choice is up to you.



100% Beige



33% Orange, 33% Earth Yellow, 33 % Rainbow Green



100% Rainbow Blue



70% Signal Green, 30% Slate Grey

Shapes and Motifs

If colours on their own are not enough we also offer you the possibility of giving your safety flooring a unique, individual design with geometric or figurative motifs. There are no limits to your creativity. In order to create 3D effects, **playfix® safety flooring** can also be installed over embankments, elevations and cavities. Application is possible on slopes of up to 45°. The seamless surface of **playfix®** is also suitable for the disabled and wheelchair users. The result is a barrier-free play area that encourages active and independent play.



„Empress Augusta's jewellery box“ is the motto of the themed playground in the northwestern area of this castle's forecourt in Koblenz, Germany. The coloured safety surface is made of **playfix®**. Concept: RMP Stephan Lenzen Landscape Architects from Bonn, Germany (above). A green football field was integrated into the orange area (left).



The colours beige and blue simulate sand and water at this water play area (above). The grey surface on the left represents a stone floor.



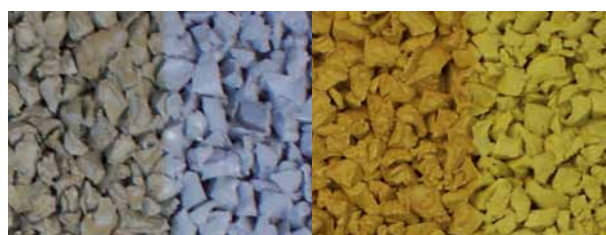
UV Resistance

The influence of UV radiation can cause a discoloration of the micrometre-thin bonding agent layer on the top of diverse solid-coloured EPDM granules. This effect may give, for example, blue EPDM granules a greenish look or light grey EPDM granules can discolour brownish. However, the discoloration does not affect the properties of the material. Under normal use the colours come through at their full intensity. At the edges where there is generally less usage, the discoloring can be visible for up to 1.5 years. In order to avoid this temporary discoloration it is possible to use an almost completely UV-resistant bonding agent. This method almost completely prevents the bonding agent layer from discoloration and the colours shine "crystal clear". We recommend the use of a UV-resistant bonding agent for the application of the following EPDM colours: blue, violet, citrus yellow, eggshell, pearl white, light grey.



Violet

Sky Blue

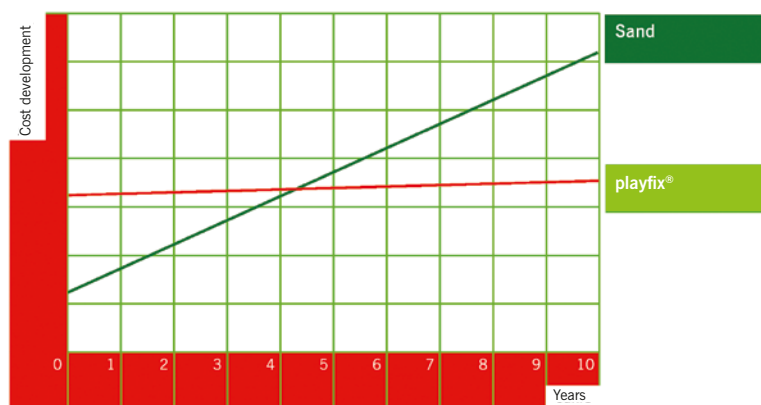


Dove Blue

Citrus Yellow

Cost Comparison playfix® and Sand

Many safety surfaces have loose fall protection covering. At first glance, creating this kind of safety surface appears significantly more cost-effective. However, if you consider the maintenance cost over the years, you realise that the expense of maintaining loose materials is tremendous. **playfix®** guarantees a permanent and consistent standard of fall protection for minimal maintenance costs. The diagram shows long term costs of **playfix®** compared to sand. The underlying costs for **playfix®** are based on averages, as the costs for **playfix®** depends on lots of factors, such as the size and colour of the area and the height from which falls have to be protected.



Care and Cleaning

The lifetime and durability of an artificial surface obviously depend on appropriate care and cleaning. For regular cleaning with a normal level of soiling we recommend cleaning with a broom or leaf blower. For more stubborn soiling we recommend cleaning the **playfix® safety flooring** with a high-pressure cleaner (without rotary jet nozzles). It is also possible to have the surface professionally "deep cleaned". Contact your **playfix®** customer consultant for more information. It is also possible to carry out minor repairs and corrections.



playfix® is the perfect solution for all kinds of playground surfacing. playfix® safety flooring can be easily integrated into play areas in order to guarantee the maximum safety for playing children. Our Regupol® Safety Tiles can easily be combined with all playfix® safety flooring (left). playfix® can also be used in wet areas as well as around outdoor swimming pools (right).

Installation playfix®, playfix® aqua

Preparing the Sub-Base

The surfaces required for **playfix®** are identical to those for **Regupol® Safety and Elastic Tiles** (page 59). **playfix®** can be laid on both bound and unbound sub-bases. Care should be taken to ensure that over a distance of 4 m, the difference in level does not exceed 10 mm. The unbound sub-base must be compacted to ensure that it is stable and crush-resistant. When laying **playfix®** on top of existing surfaces, irregularities must be levelled out. Furthermore, care should be taken to ensure an adequate shear strength and frost resistance.

Edge Restraint

Before installing **playfix®** the surface should be enclosed by a restraint. We recommend the elastic **Regupol® Edging Elements**. Usually, the distance between the top edge of the edging element and the top edge of the sub-base is equivalent to the thickness of the **playfix®** safety flooring. Stumble edges are thus avoided.

Installation

Both layers of **playfix®** – the lower base layer and the upper coloured wear layer – are applied in a semi-fluid state in situ onto the prepared area. This work can only be carried out by BSW or an authorised agent as installation requires experience and professional expertise.

To lay a seamless safety surface, daytime temperatures must be above 10 degrees centigrade. Overnight temperatures must not fall below 4 degrees centigrade. The surface cannot be laid when raining or when rain is imminent, as the bonding agent reacts too quickly and the safety surface will suffer permanent damage.

Installation playfix® indoor

Preparing the Subsurface

playfix® indoor is only installed in inside areas. The prepared surface must be level and have a dry cement or asphalt screed-bed. Application on top of any other existing floor covering must be assessed on an individual basis. It is important to ensure that any surface used is moisture-proof, as bumps caused by rising moisture may otherwise form underneath the waterproof polyurethane wear layer.

Installation

Installation of **playfix® indoor** can also only be carried out by BSW themselves or by an authorised agent, as the application of the fluid PUR layers requires specialist knowledge.

Installation playfix® EPDM IS

Preparing the Sub-Base

playfix® EPDM IS can only be laid on bound surfaces. Particular attention must be paid to evening out irregularities.

Edge Restraint

An edge restraint is not absolutely necessary. Contact your **playfix®** customer consultant for more information.

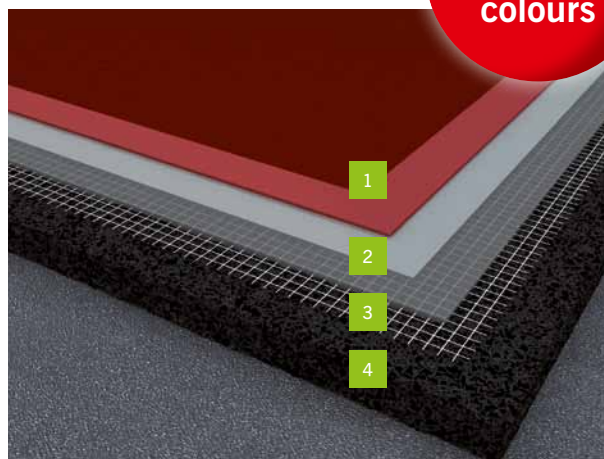
Installation

The elastic wear layer of **playfix® EPDM IS** is applied in a semi-fluid state in situ onto the prepared area. This work can only be carried out by BSW themselves or by an authorised agent.

Now
in 47
colours

playfix® indoor

Indoor play areas are becoming increasingly popular. However, conventional safety flooring is designed for outdoor surfaces, and their porous surface structure is not suitable for indoor cleaning methods. With **playfix® indoor** BSW has developed a floor covering that fulfils all impact protection requirements up to 2.20 metres, and also has a homogeneous, easy-to-clean wear layer. **playfix® indoor** consists of soft sheets, which are sealed with a liquid, quick-hardening PUR surface. As the surface was developed on the basis of our flooring range for sports hall floors, it is extremely robust and durable, besides being slip-resistant and available in a wide range of colours. It is easy to add wording, lines and symbols using our equally durable PUR paint. BSW is the only manufacturer which offers this type of indoor safety flooring.



1 PUR colour finish • 2 PUR coating • 3 Fabric mesh • 4 Elastic layer made of Variofoam® 2000

playfix® indoor is the perfect complement for both our **regugym®** and **decoelast®** flooring. **regugym®** is our point-elastic flooring for sports halls, **decoelast®** our performance flooring system. Both kinds of flooring have the same wear layer, so if you select the same colour they are virtually indistinguishable from each other. This gives you the flexibility to floor multifunctional halls in a uniform design, despite the floor surfaces having different functions. Ask us about our **regugym®** and **decoelast®** floorings and we will be happy to advise you.



Material

Wear layer hardened coloured polyurethane applied in liquid state, elastic layer PUR-bonded rubber granules

Composition

Multi-layer construction consisting of elastic layer, fabric mesh, coating and colour finish, sealed and seamless wear layer

Colours

47 colours

Application Areas

On all indoor play areas and all interior surfaces where there is an increased risk of injury from falling

Total Thickness

10–60 mm

The BSW Design Center creates individual design variations to customers' specifications.

See page 235 for more information.

BSW
Design
Center

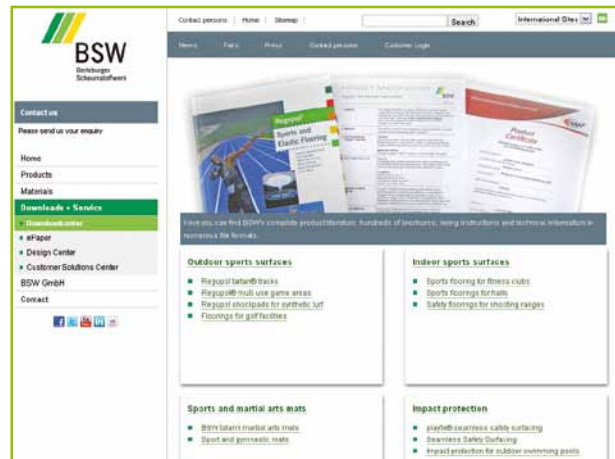
Contact: Dominik Bach, Phone: +49 2751 803-137 • d.bach@berleburger.de • Downloads at www.berleburger.com: Technical Data Sheets, Certificates

Information Downloads

All documents and information you need for making your decision, tendering procedures and also for the installation, use and care of BSW products are available at www.berleburger.com. In a matter of seconds you can download technical data sheets, certificates and installation instructions, all in the required file formats.

Click on **Downloads** in the website navigation section.

Up to date information is provided on our website and in the PDF versions of this catalogue. The PDF versions are available for download on our website.

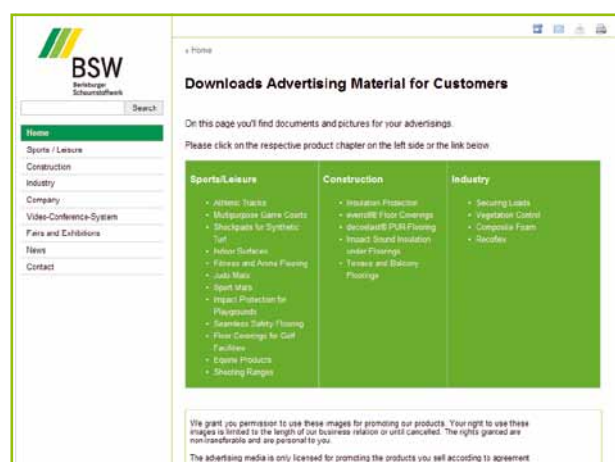


More detailed information and documents can be found at our website www.berleburger.com: press releases, high-resolution press photos, our latest trade fair activities, a hotline to our friendly customer consultants, RSS feeds containing news on BSW, background information, E-Papers, the websites of our subsidiaries and the BSW home page in many different languages.



Our retail and industry customers benefit from our **BSW Media Support**. We offer hundreds of product photos and graphics, presentations, text modules and open files of our product logos, print materials, etc. All materials are available for downloading and designing your own advertising materials. Our marketing department will send you your exclusive link and the access data to the password-protected **BSW Media Support**.

Please do not hesitate to contact our marketing department (contact details below) or our friendly BSW customer consultants, should you have any questions or need assistance.



Your contact to BSW GmbH

Dominik Bach
Fax +49 (0)2751 803-139
d.bach@berleburger.de

Phone: +49 (0)2751 803 137

**BSW Berleburger
Schaumstoffwerk GmbH**
Am Hilgenacker 24
57319 Bad Berleburg
Germany

info@berleburger.de
www.berleburger.com

