

Regupol® kombi

# Multi-Use Games and Sports Surfaces

The ideal  
surface for  
each kind of  
sport



## Durable, Robust, Kind to Joints

The range of **Regupol®** sports flooring includes five variable flooring systems. The sports floors have been developed for different kind of sports and versatile sport user groups. Force reduction, ball behaviour, anti-slip properties or weather resistance are variable and have to be adapted to user's requirements. The wide range of different surface covering, elastic layers and installation methods results in perfect solutions for every kind of sports facility.



### The advantages

- Variable force reduction based on the type of sport
- Optimised ball rebound based on the type of sport
- Durable, uniform elasticity across the whole surface
- Sure-footed and non-slip
- Various surface structures rated to different sports
- Homogenous, seamless surface
- Ideal balance between anti-slip and sliding properties
- Kind to joints
- Non-slip surface
- Minimised risk of injury
- Ongoing quality monitoring during production and installation
- Quickly installed by skilled staff
- Either waterproof or water permeable
- Low care and cleaning workload
- Professional basic cleaning possible
- Retopping and basic refurbishment possible
- Resistance to weather and UV
- Durable also under intensive use
- Cost advantage: installation also carried out on unbound surfaces

## Competition, Training, Leisure and Play

### Regupol® Sports Flooring for Competition and Training

**Regupol®** is the ideal flooring from BSW for nearly all kinds of sports, particularly for all kinds of ball games. Due to its excellent ball rebound properties **Regupol® kombi** does not only provide ideal conditions but also protects the musculoskeletal – without slowing down the speed of the game, for example caused by too much softness.

Thanks to its ideal balance between fastness and minimal stress on joints, **Regupol® kombi** is suitable for training and school sports as well as for competitions. **Regupol® kombi** is available in different elastic layers, the thickness and compositions depends on area of use.

The following surfaces complete our range of **Regupol®** multi-purpose sports surfaces they are part of our **Regupol tartan®** programme:

**Regupol® AG**  
**Regupol® AG IS**

They are used as standard surfaces for sports pitches in the D-areas behind the football goals, with identical structure and appearance to the **Regupol tartan®** tracks.

### Regupol® Surfaces for Trend Sports

Numerous trend sports demand surfaces with properties that differ from the stipulations in DIN V 18035-6. In most cases, less force reduction is required, as for speed badminton, street-ball or other ball games that prefer higher ball rebound properties. These surfaces should facilitate a fast game with top running performance and high-speed reaction from the players.

**Regupol® kombi**  
**Regupol® EPDM**

These surfaces are available in different surfaces structures, thicknesses and colours. So they can be fitted to the requirements of each kind of sport.

### Regupol® for Children, Leisure and Play

The combination of sport and exercise in sports facilities is becoming more and more popular – whether it be for adults, children or for both. BSW supplies three different types of surface. All types combine good ball behaviour with excellent force reduction, impact protection and sound-absorbing properties.

**Regupol® Interlocking Pavers**  
**Regupol® Elastic Tiles**  
**Regupol® Elastic Tiles EPDM**

Customised production of elastic layers in sports flooring systems:

**Regupol®, Recoflex® and Variofoam®** are used as system components of sports flooring systems by renowned suppliers and contractors all over the world.

More details at:

Customer  
Solutions  
Center

## Regupol® kombi

**Regupol® kombi** is the multifunction sports covering for training, school sports, trend sports and fun courts. The prefabricated dual-layered rolls are quickly and easily laid on asphalt and other bound sub-bases. Its force reduction is somewhat less than that stated in the standard. This makes **Regupol® kombi** popular for fast ball games with the highest possible ball rebound properties.

Prefabricated **Regupol® kombi** has the same thickness all over and therefore offers homogeneous elasticity. The individual rolls can be produced and combined in different colours, creating low-cost contrasting colours for players with impaired vision.



### Category

Sports flooring not in line with EN 14877 : 2013-12

### Material

PUR-bonded rolls made of rubber granules and EPDM, elastic and wear layer are factory-bonded

### Thickness

**Regupol®** base mat/**Regupol®** EPDM wear layer:  
4/4 mm, 6/4 mm, 8/4 mm

### Colours

Available in eight colours, special colours on request; see page S2.11

### Elastic Layer

Prefabricated

### Sub-Base

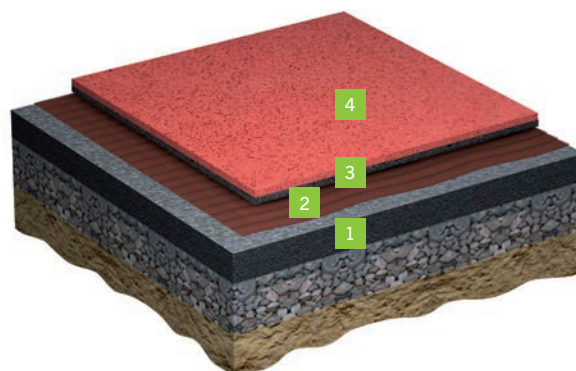
Asphalt or concrete

### Types of Sport

Multi-use games areas for all types of ball games and racket sports

### Installation

Prefabricated rolls must be rolled out and glued together



1 Asphalt or concrete base on crushed stone bed • 2 Adhesive application  
• 3 Prefabricated **Regupol®** base mat • 4 EPDM wear layer made of PUR-bonded rubber granules, prefabricated

## Regupol® EPDM

**Regupol® EPDM** is the fast flooring for speedy boys and girls. **Regupol® EPDM** provides not only a near identical ball bounce as asphalt but it also reduces the impact noise of balls. Installed in cool colours, **Regupol® EPDM** creates a perfect streetball area and leaves nothing to be desired.

**Regupol® EPDM** can be installed easily and cost-effectively on small areas, it can also be removed easily. **Regupol® EPDM** is the ideal sports flooring for all kinds of fun sports outside of grand, complex sports facilities.



### Category

Sports flooring not in line with EN 14877 : 2013-12

### Material

PUR-bonded rolls made of rubber granules and EPDM

### Thickness

4, 6, 8 mm

### Colours

Available in eight colours; special colours on request, see page S2.11

### Regupol® EPDM surface

Prefabricated

### Sub-Base

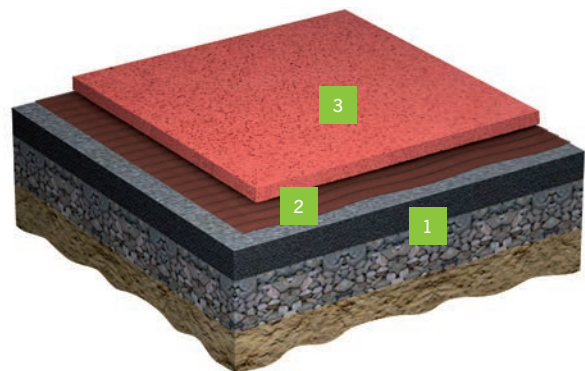
Asphalt or concrete

### Types of Sport

Multi-use games areas for all trendy sports such as streetball; other ball games focused on speed

### Installation

Prefabricated rubber rolls must be rolled out and glued together.



1 Asphalt or concrete base on compacted stone bed • 2 Adhesive application • 3 EPDM surface made of PUR-bonded rubber granules, prefabricated

## Regupol® Interlocking Pavers

**Regupol® Interlocking Pavers** can be installed either on bound or unbound sub-bases just like the common concrete pavers and even combined with corresponding surfaces as they have the same dimensions. This results in elastic sports surfaces that merge smoothly with paths, courts and other areas.

Possible applications include kickabout areas near residential estates, school playgrounds with play and sports areas or surfaces beneath table tennis tables. **Regupol® Interlocking Pavers** produce elastic multipurpose surfaces that have proven their worth for many years.



### Category

Multi-use games and sports surface

### Material

PUR-bonded rubber fibres/rubber granules

### Thickness, Weight

21 mm approx. 18.5 kg/m<sup>2</sup>; 43 mm approx. 37 kg/m<sup>2</sup>

### Standard Dimensions

200 x 160 mm

Dimensional tolerances: surface  $\pm 1\%$ , thickness  $\pm 2$  mm

### Colours

Red Brown, Green, Black; see page S2.11

### Wear Layer

Porous, water permeable, prefabricated

### Sub-Base

Asphalt or unbound sub-base

### Types of sport

Multi-use games areas, kickabout areas, surfaces beneath table tennis tables, adjacent areas of playgrounds and sport pitches

### Installation

Installation as common concrete pavers



Regupol® Interlocking Pavers can also be used for kickabout areas.

## Regupol® Elastic Tiles

**Regupol® Elastic Tiles** are perfectly suited for multifunction sports pitches focused on fun and games. They are the ideal surface for kickabout areas, streetball courts, table tennis tables, etc. **Regupol® Elastic Tiles** considerably reduce ball noise levels just as much as they offer excellent ball rebound properties. The highly compacted surface material of **Regupol® Elastic Tiles** creates a robust, long-lasting sports area. Lines, wording, symbols and pictures can be applied with durable PUR colours.



### Category

Multi-use games and sports surface

### Material

PUR-bonded rubber fibres/granules, coloured

### Composition

Highly compacted material, drainage grooves on the underside, edges with dowel holes, dummy joint at 500 mm

### Colours

Red Brown, Green, Black; see page S2.11

### Wear Layer

Porous, permeable by water, prefabricated

### Sub-Base

Asphalt or unbound sub-base; in 15 and 22 mm only on asphalt

### Types of Sport

Multi-use games areas, kickabout areas, surfaces beneath table tennis tables, adjacent areas of playgrounds, etc.

### Installation

Installed in cross formation, connected by dowel plugs and glued.

### Standard Dimensions/Weight

2,000 x 1,000 x 43 mm	approx. 35 kg/m <sup>2</sup>
1,000 x 500 x 43 mm	approx. 35 kg/m <sup>2</sup>
1,000 x 500 x 30 mm	approx. 24 kg/m <sup>2</sup>
1,000 x 500 x 22 mm	approx. 18 kg/m <sup>2</sup>
1,000 x 500 x 15 mm	approx. 12 kg/m <sup>2</sup>

### Dimensional Tolerances

Length/Width	± 1 %
Thickness	± 2 mm

## Regupol® Elastic Tiles EPDM

**Regupol® Elastic Tiles EPDM** provide top-quality decorative sport and play areas with durable intensive colours. They offer the same functional properties as **Regupol® Elastic Tiles**. Sport and play areas can be easily produced with mixed and matching colours, as well as plain-coloured surfaces. In addition to the standard colours, numerous special colours and even multi-coloured tiles are possible for orders of a suitable size. Strong colour contrasts can be used to create low-cost play areas for those with impaired vision.



### Category

Multifunctional game and sport surfaces

### Material

PUR-bonded rubber fibres/granules, wear layer consisting of compacted, PUR-bonded EPDM granules

### Composition

Highly compacted material, drainage grooves on the underside, edges with dowel holes, dummy joint at 500 mm

### Colours

Wear layer: Beige, Red Brown, Sky Blue, Light Grey, May Green; see page S2.11

### Wear Layer

Porous, permeable by water, prefabricated

### Sub-Base

Asphalt or unbound sub-bases

### Types of Sport

Decorative multifunctional sport pitches, surfaces beneath table tennis tables, etc.

### Installation

Installed in cross formation, connected by dowel plugs and glued

### Standard Dimensions/Weight

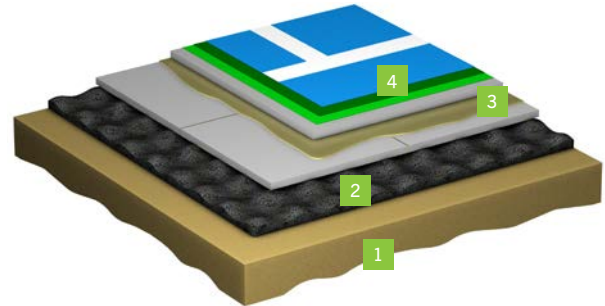
1,000 x 500 x 40 mm	approx. 29 kg/m <sup>2</sup>
1,000 x 500 x 30 mm	approx. 24 kg/m <sup>2</sup>

### Dimensional Tolerances

Length/Width	± 1 %
Thickness	± 2 mm

## AC50

AC50 is a new, area elastic outdoor sports flooring system for tennis- and multipurpose courts. Besides the area elastic properties, another special feature: The floor can be loose laid over any bound or unbound base. Extensive civil engineering for the renovation of old bases is not required and the installation is quick and affordable. The flooring system can receive various finishes and can be played year around. AC50 is suitable for clubs, schools and public sports facilities. Due to the excellent damping and force reducing properties of this outdoor sports floor, the amount of injuries and regeneration times are being reduced. BSW provides the **Regupol®** elastic layer, whilst All Court Systems GmbH furnishes the upper system components. The AC50 sports flooring system is exclusively marketed by our cooperation partner ACS.



1 Unbound base • 2 **Regupol®** elastic layer with dimpled surface • 3 2 layers of light-weight concrete sheets, laminated • 4 Wearing surface in 3 layers: Special primer (bright green ), filler coat (dark green), top coating with games lines (blue)

### Material

3 layers of wearing surface, light weight concrete sheets Sportspanel F030, **Regupol®** elastic layer RG24

### Installation

Floating system over leveled, load bearing base

### Weather Stability

Resistant against heat, cold and moisture

### Areas of Application

Multifunctional flooring system for various ball games

### Special Properties

Area elastic sports flooring system for outdoor use



## Regupol® Edging Elements

The elastic **Regupol® Edging Blocks** are ideal for avoiding sporting injuries. Many outdoor swimming pools offer courts for beach volleyball. But if players stub their bare toes against a concrete paver or even fall against it on their back, they may need a doctor. The elasticity of **Regupol® Edging Blocks** reduces the risk of injuries here. The wide **Regupol® Sandpit Edging Blocks** visibly mark the edge of a beach volleyball court, preventing uncontrolled spread of the sand and offering protection from injuries. They can also be used for streetball, again offering protection from injuries and creating a barrier for the ball. The narrow **Regupol® Edging Elements** are ideal for all other sports pitches and courts to mark and stabilise the edging; here, too, they offer protection from injuries.



Regupol® Sandpit Edging Block

## Regupol® Sandpit Edging Blocks

### Dimensions/Weight

Straight Block 1,000 x 300 x 150 mm  
approx. 40 kg/unit

Curved Block 1,021/785 x 300 x 150 mm  
approx. 37 kg/unit

## Regupol® Edging Blocks

### Dimensions/Weight

1,000 x 250 x 50 mm  
approx. 10 kg/unit



Regupol® Edging Element

## Regupol® topseal UV

Many sports courts are expected not only to function well but also to look good in the long term. Although **Regupol®** sports courts are made only of top-quality materials, in time it is possible that sunlight may cause changes in colour.

Wherever the focus is on the decorative aspect of a sports court, **Regupol® topseal UV** can be used to apply a protective coat that gives the colours lasting lightfastness and which essentially prevents changes in colour.

**Regupol® topseal UV** can be applied to both new and older surfaces, giving the latter a new, fresh colour again.

All **Regupol®** sports courts can be treated with **Regupol® topseal UV**, although it is important to remember that the surfaces must be plain coloured. The colour of **Regupol® topseal UV** should correspond to the original colour.

**Regupol® topseal UV** is sprayed onto the ready installed surface. The flooring can be used for playing on again after just two days. The lines have to be reapplied to the sports court after applying **Regupol® topseal UV**.

Product  
innovation



Regupol® topseal UV protects the surface, letters and linings of our Regupol® sports flooring, permanently.



Regupol® topseal UV is applied as a spray on the top of the sports flooring.

## Colours – Application and Decoration

**Regupol® kombi**

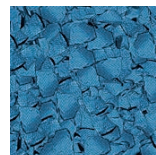
**Regupol® EPDM**

**Regupol® Elastic Tiles EPDM**

When using sheets of prefabricated **Regupol® kombi**, **Regupol® EPDM** and the **Regupol® Elastic Tiles EPDM**, different colours can be used to mark separate play sections and border areas, and can be produced in the full range of 26 colours for larger orders. Turn to page D1 to find out more about our Design Center EPDM Colours.



Slate Grey



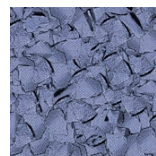
Sky Blue



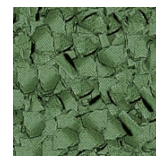
Berlin Blue



Light Grey



Dove Blue



May Green



Beige



Red

**Regupol® Elastic Tiles**

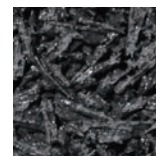
**Regupol® Interlocking Pavers**



Red



Green



Black

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

More details at:

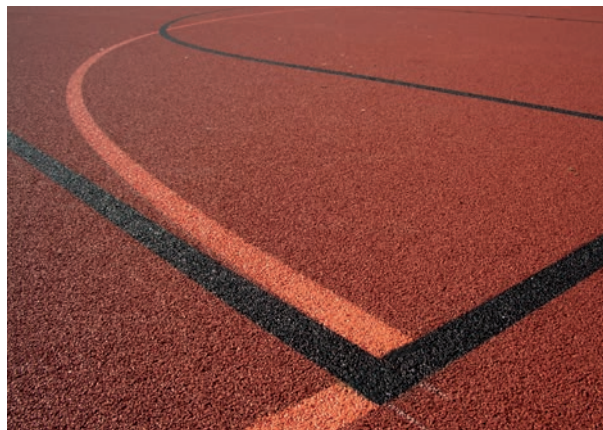
**D1**  
**Design Center**  
**EPDM Colours**

## Lining, Refurbishment, Cleaning

BSW does not only offer **Regupol®** sports flooring but also numerous support services – such it would be easier for both architects and owners of sports complexes. For planning procedures, BSW offers tender texts, dimensioning plans and supplying information for creating the sub-base. BSW, of course, will also apply the linings on the sports flooring.

In time, dirt particles are deposited on outdoor flooring, for example dust, pollen and plant residues, etc. Normal cleanings can be made by the owner, a deep cleaning can only be made by a specialist. BSW cooperates closely with specialists, who adapt their machines exactly to **Regupol®** flooring, thus ensures a deep cleaning and the surface will look like new again.

Also high-quality sports flooring cannot be protected against wear. The retopping service of BSW provides a new wear layer for sports surfaces, without needing a replacement of the whole surface composition – thus saving both time and money. Finally, the flooring will look like new again. Whether repairing or refurbishment – BSW will find out the cost-effective solution. BSW offer this service also for sports flooring from other manufactures.



Freshly applied lining on **Regupol®** kombi installed at the stadium in Iserlohn (Germany).



This picture shows deep cleaning of a **Regupol®** kombi game court.

## What type of sports surfaces is suited for which types of sport?

### Regupol® kombi

**Wear Layer 4 mm, Elastic Layer 4, 6 or 8 mm**  
Ball games and rebound sports with high speed and ball reflection

### Regupol® EPDM

**Material thickness 4, 6 or 8 mm**  
Trend and street sports with high speed and ball reflection such as speed badminton, streetball, kickabout areas.  
Cycling, wheelchair sports, temporarily installed sports and performance surfaces

### Regupol® Interlocking Pavers

**Wear Layer 21 or 43 mm**  
Children's play and sports areas, kickabout areas, table tennis

### Regupol® Elastic Tiles, Elastic Tiles EPDM

**All thicknesses**  
Children's play and sports areas, kickabout areas, table tennis.  
Connections to impact protection tiles beneath playground equipment

---

## Service and Support

### Planning Aids

Our website [www.berleburger.com](http://www.berleburger.com) provides all technical details, tender texts and references.

### Complete Installation

BSW produces the complete athletics track, starting with the sub-base, via the structural layer through to applying the lines after completion.

### All Accessories

Track edge markings, take-off boards, pole-vault boxes, hurdles, starting blocks, bars and landing mats, etc. are of course also included in our range, as well as installation.

### Retopping and Refurbishment

BSW refurbishes your athletics track, regardless of whether it needs simple retopping, improvement of partial areas or complete new installation.

## Physical Properties

Type of Regupol® Sports Flooring	Force Reduction	Sliding Behaviour	Ball Rebound	Maximum Fall Height
<b>Regupol® kombi</b> Wear layer 4 mm, elastic layer 6 mm	26%	0.61 $\mu$	100%	
<b>Regupol® EPDM</b> Wear layer 4 mm	10%	0.70 $\mu$	100%	
<b>Regupol® Interlocking Pavers</b> Wear layer 43 mm	48%	0.40 $\mu$	99%	
<b>Regupol® Elastic Tiles</b> 30 mm	58%	0.53 $\mu$	100%	1.00 m
<b>Regupol® Elastic Tiles EPDM</b> 30 mm	65%	0.65 $\mu$	94%	1.00 m



Tennis, basketball, handball: Regupol® kombi installed near Moscow (Russia).



Regupol® kombi at a German high school (above); Example of a playground fitted with Regupol® Interlocking Pavers (below), black pavers mark the kickabout area, the surrounding area is fitted in red and Regupol® Elastic Tiles were also installed on seating benches and steps.



Regupol® kombi installed in multi-use games areas throughout Germany as in a kickabout area in Krombach (above), and as basket ball pitches in Bad Endbach (left) and in Halsbrücke (right).



Regupol® kombi in Finnentrop (above); Regupol® Elastic Tiles EPDM at the Chinese Embassy in Berlin, Germany (left); Regupol® kombi at the AWO (Workers' Welfare Organisation) specialist hospital in Jerichow, Germany (right).



Regupol® kombi installed in a multi-use games and sports area at a high school (above). Regupol® kombi also available in green as shown in the photo of a multi-use games area in Brazil.

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

Phone +49 2751 803-0  
info@berleburger.de  
www.berleburger.com

www.regupol-sportssurfaces.com



The technical information given in the documents are guideline values. They are liable to manufacturing tolerances, which may vary depending on the type of underlying properties. The currently valid versions of this information are provided on our internet pages and in the PDF versions of this catalogue. The PDF versions are available to download from our website. We do not assume liability for spelling or printing errors.

