

Regupol®

Impact Protection

Tested safety,
proven
durability



Quality and Safety

Safety surfacing is essential on every children's playground. Planners and playground operators must decide which safety floor provides the most effective protection, whilst at the same time taking economic and design factors into account.

DIN EN 1177:2008 tested and certified **Regupol®** impact protection surfaces and elastic floors from BSW guarantee reliable safety in this area. The price and durability of our products results in huge long term cost savings in the area of playground main-tenance. And finally, the various designs that characterise **Regupol®** impact protection offer every architect and landscape planner the right solution for every situation. Thousands of playgrounds, small playing fields and other recreational areas all over the world have been fitted with **Regupol®** impact protection products over the last 40 years.

BSW has always guaranteed the highest possible quality, because we manufacture exclusively at our site in Bad Berleburg in Germany, with highly qualified and motivated employees.



Original Regupol®

On the underside of our **Regupol® Safety and Elastic Tiles** you will find this imprinted quality seal. **Regupol®** is the material from which we manufacture our impact protection and elastic products. **Regupol®** stands for decades of experience, tested quality, first-class raw materials, environmental friendliness and a long product life.



Tested for Heavy Metals

Using **Regupol®** safety surfacing and elastic products on children's playgrounds means that you do not need to worry about contamination from heavy metals and arsenic. This is guaranteed not just by ourselves, but more importantly by the independent Chemo-Test GmbH test institute.



TÜV (Technical Inspection Association) – Fall Protection Test
Reliable impact protection values, independently assessed and confirmed in accordance with DIN EN 1177. All guaranteed by the TÜV seal of approval. Therefore, you can see that we take safety seriously. We do not claim anything that we can not prove.

The Materials

The materials from which we manufacture our safety surfacing and elastic products are subject to constant quality monitoring. The basic materials used in the majority of our products are rubber granules or fibres. In our factory in Bad Berleburg these rubber particles are bonded using the bonding agent polyurethane, compacted and then compressed into the familiar **Regupol®** tiles and tracks. The quality of the raw materials and purity of their elemental components, the special ratio of the rubber to the bonding agent, combined with the degree of compacting and subsequent compression are all significant factors which dictate the quality of the end product. Only many years of experience guarantee the requisite properties that put our products at the top end of the quality scale of comparable products manufactured by other suppliers. In our fall protection products this quality is reflected above all in their reliable impact protection values, their resistance and their durability.



Rubber Fibres

Crucial to our impact protection products are rubber fibres of a particular strength and length which guarantee high resilience and durability. This is because the fibres interlock during the mixing process, and through subsequent compression form a dense elastic body with excellent resistance to any kind of mechanical influences. This is why our impact protection products boast outstanding stability.



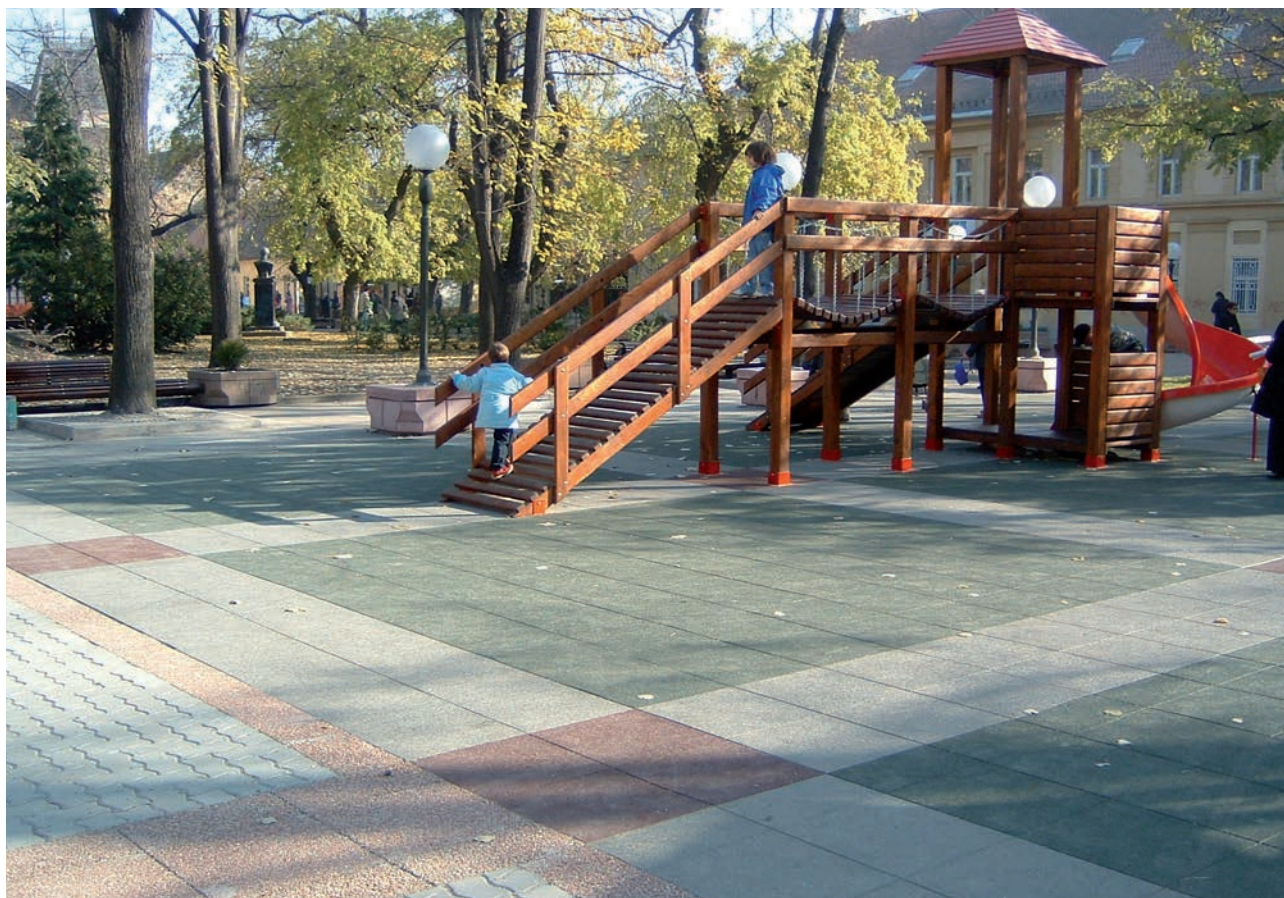
Rubber Granules

The lower-price products within our impact protection range are manufactured from rubber granules. These granules are also used by most other suppliers of similar products.



EPDM Granules

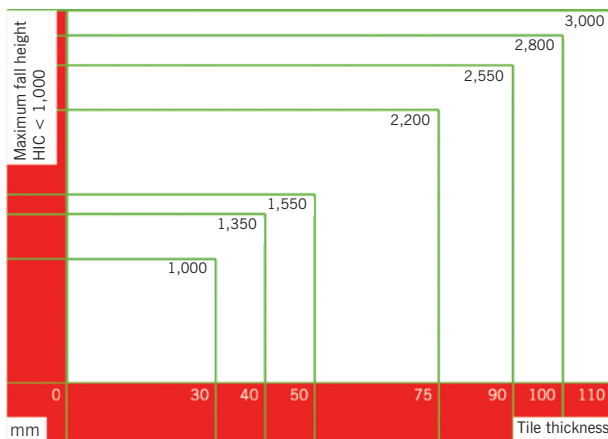
EPDM is synthetic rubber. It has the same functional characteristics as rubber-based granules but is solid-coloured. We use EPDM granules as decorative surfaces for our impact protection and elastic flooring. Our range comprises 26 colours and their combinations.



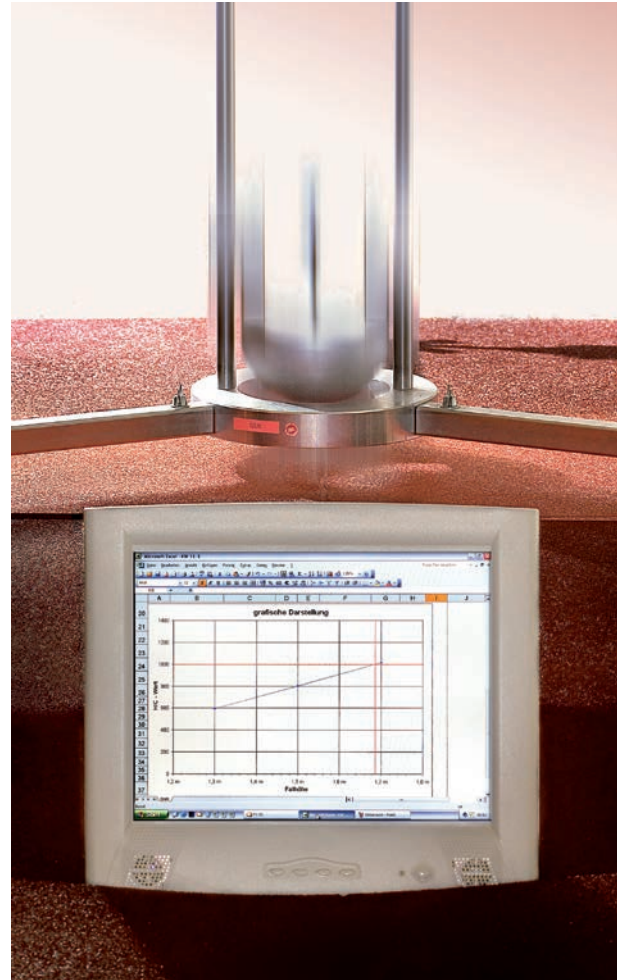
Regupol® Safety Tiles fit perfectly into the environment – whether urban or nature-related.

Tested Safety in Line with DIN EN 1177:2008

The DIN EN 1177:2008 standard defines the procedure for verifying the impact protection properties of a floor and stipulates the limit up to which no serious injuries might be expected upon impact. **Regupol®** fall protection surfaces are tested in accordance to these standards and meet their requirements. The value that determines the risk of injury is termed the Head Injury Criterion (HIC). It must not exceed 1,000. The impact protection values of our **Regupol® Safety Tiles** are certified according to TÜV (Technical Inspection Association) safety standards. In addition, our laboratory carries out regular checks to ensure that the quality remains consistent. At the same time we make sure that our laboratory tests exceed the required values so that potential anomalies do not lead to problems in situ. A point to note: BSW has one of the most modern testing facilities in the world.



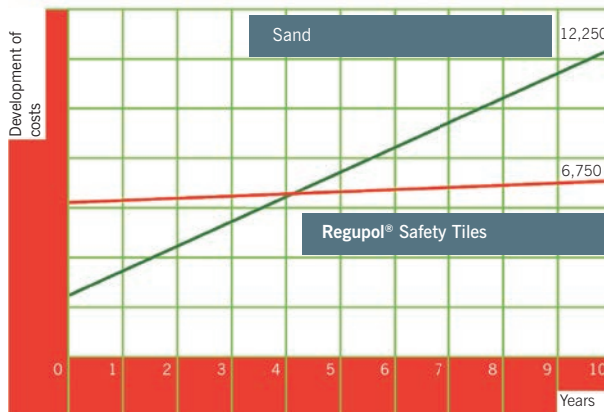
The diagram shows the maximum fall height according to DIN EN 1177 in relation to the thickness of our **Regupol® FX Safety Tiles**.



Tests on the **Regupol® Safety Tiles** relating to fall protection values are regularly carried out in our test laboratory.

Safety Tiles or Sand – a Cost Comparison

Playground safety surfaces made of rubber are a versatile – and in the long term cost-effective – alternative to loose fill surfaces of sand, mulch, or wood chips. The economic viability of **Regupol®** safety surfaces in long term comparison with loose fill materials can be proven if over and above the costs of the initial purchase and installation, one also considers the ongoing costs for maintenance and upkeep. Because over a period of ten years the expensive maintenance and renewal measures required for loose fill materials generate costs up to two times higher than **Regupol®** impact protection. Even after four years the initial cost advantage of sand, for instance, has been exhausted, and thereafter the costs increase significantly. The following comparison is based on the assumption that the sand is properly cleaned and maintained.



The diagram shows the long term development of costs of **Regupol®** safety surfacing compared with sand. By year four the cost of sand exceeds that of **Regupol®**. After ten years the cost has risen to almost double. This is an example calculation that only gives a guideline indication. The individual prices are subject to fluctuation. The costs for sand and labour charges as listed only apply to German standards.

Regupol® Safety Tiles

Installation

100 m² **Regupol® Safety Tiles**, accessories, working time on a prepared surface

Costs 1 m² = €61.50
 Costs 100 m² = €6,150.00

Maintenance

Cleaning 100 m² **Regupol® Safety Tiles** with high-pressure cleaner

Costs 2 hours/years at €30 = €60

Installation €6,150/10 years
 Costs 1 year = €615
 Maintenance €60 x 10 years
 Costs €600
 Total Costs €675/year

Sand

Installation

40 m³ sand on a prepared surface

Costs 1 m² = €24
 Costs 100 m² = €2,400

Maintenance

Annual replacement of 10 m³ sand, annual cleaning of sand, loosening and spreading the surface to maintain the required depth

Costs to change old sand 10 m³ = €600
 Cleaning costs €385 calculated at €3.30/m² + travel costs

Installation €2,400/10 years
 Costs 1 year = €240
 Maintenance €985 x 10 years
 Costs €9,850
 Total Costs €1,225/year

The Benefits

Reliable and Constant Impact Protection, Slip Resistance

Independently tested and certified impact protection values guarantee the required safety of the whole play area, even in sensitive places. The rough structure of **Regupol®** reduces the risk of slipping, even on damp surfaces.

Reasonably Priced, Economical

Prices on a sliding scale according to types of material (rubber fibres, rubber granules, EPDM granules) allow the customer to choose the right quality for every job. In the long term **Regupol®** fall protection is up to 50% cheaper in comparison with loose fill materials.

Long-Lasting, Hard-Wearing, Weatherproof

You can confidently assume a lifetime of ten years for our impact protection and elastic products, but frequently they perform their function for even longer – something hardly any other impact protection material can guarantee. Because **Regupol®** fall protection is extremely hard-wearing and resistant to mechanical impact. Plus **Regupol®** impact protection is weatherproof: it is completely impervious to moisture and sunlight, heat or frost.

Hygienic, Low on Maintenance, Easy to Clean

Dirt and rubbish remain clearly visible on **Regupol®** safety surfaces and there is no chance of it getting buried. They can be cleaned quickly and easily, and there is no scope for unpleasant surprises. Loose-fill material will not get trailed across to other areas or indoors, and you won't end up with sand in shoes or pockets. **Regupol®** safety surfaces are easy to sweep up with a broom, and they appreciate an occasional clean with a pressure washer.

Quick Laying, Quick Removal

Regupol® fall protection and elastic floors are quick and easy to lay. Push fit fittings and adhesive bonding create reliable and durable solidity. If at any stage you decide that you do not need the surface any more, the **Regupol® Safety Tiles** and **Regupol® Moulded Rubber Parts** are easy to remove.

Sound-Absorbing

It is generally the use of small sports pitches with hard surfaces such as asphalt and concrete that time and again lead to noise disturbance. The elastic **Regupol®** surfaces provide effective help against this. They effectively deaden noise from balls, protect joints and bones because of their elasticity, and still allow the ball to rebound powerfully.

Water Permeable, Quick Drying

Even after a heavy downpour it is not long before children can go out to play again on **Regupol®** impact protection and elastic surfaces. This is due to the material's good water permeability and its quick-drying properties. Drainage channels on the underside of the tiles enable water to drain away quickly.

Versatile Designs and Applications

Versatility with regard to applications and designs sets **Regupol®** fall protection apart. Whether safety surfaces on playgrounds, small sports pitches for football or streetball, whether outside or indoor halls, we have the right solution for every need and can offer 26 colours and their combinations. This allows you to make a design statement or match a surface to its surroundings.

Environmentally Friendly

Our products are mainly manufactured from rubber, do not seal the ground, pose no health risks, and at the end of their life can be recycled.

Comprehensive Pre- and After-Sales Service

Personal consultation, individual production of material samples, special solutions, maintenance and extensions, and last but not least prompt and reliable delivery, as well as lots of other services, are all in a day's work.

Regupol® Safety Tile FX

The **Regupol® Safety Tile FX**, in red brown, is one of the best-selling products in BSW's fall protection range. **Regupol® Safety Tile FX** is universal in use, reliable and indestructible. **Regupol® FX** is suitable for fall heights up to three metres. Due to its unique structure of rubber fibres and dual-layer construction, **Regupol® FX** guarantees the highest possible safety standard for safety tiles in combination with long lifetime. The coloured wear layer is manufactured from highly compacted rubber fibres, ensuring durability, slip-resistance and even reliable force reduction. The underlying elastic layer guarantees the exact fall protection values as the softer material possesses the required elasticity. Only a few suppliers offer this dual-layer construction, which involves an expensive production process. It is a definite quality characteristic.

Material

PUR-bonded rubber fibres, solid-coloured

Composition

Dual-layer construction with compacted, heavy-duty wear layer and soft base layer for fall protection; drainage grooves on underside, dowel holes at edges, dummy joint on top at 500 mm

Colours

Base layer: Black

Wear layer: Red Brown, Green, Black; other colours on request

Areas of Application

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

Installation

On concrete, asphalt or compressed bed of gravel/crushed gravel

Dimensions [mm]	Weight [kg/m ²]	Maximum Fall Height [m]
1,000 x 500 x 30	approx. 24	1.00
1,000 x 500 x 50	approx. 29	1.50
1,000 x 500 x 75	approx. 39	2.20
1,000 x 500 x 90	approx. 46	2.50
1,000 x 500 x 100	approx. 51	2.80
1,000 x 500 x 110	approx. 56	3.00

Dimensional Tolerances: Length/Width $\pm 1\%$
Thickness ± 2 mm



The cross section shows the dual-layer construction.



Our **Regupol® Safety** and **Elastic Tiles** are fitted with drainage grooves at the underside as standard.



Annex XVII Entry 50 REACH contains requirements for articles accessible for the general public. We therefore ask

our customers to check whether the intended use of products bought from us complies with this legislation.

Regupol® Safety Tile FXG

Regupol® Safety Tile FXG is the lower cost version of our safety tiles. With reliable fall protection properties, the material composition is simpler. As it is made from rubber granules and constructed in one layer, it does not have the same toughness or resilience as our **Regupol® Safety Tile FX**. However, its durability will stand up to normal stress. It has already proved itself time and again. **Regupol® FXG** is a successful compromise between durability and cost efficiency. The maximum fall height of **Regupol® FXG** is two metres. Greater fall heights with single-layer tiles can only be achieved if you compromise on durability.

Material

PUR-bonded rubber granules, solid-coloured

Composition

Single-layer construction from homogeneous material; underside with knobs for drainage and elasticity, dowel holes at edges, dummy joint on top at 500 mm

Colours

Red Brown, Green, Black; other colours on request

Areas of Application

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

Installation

On concrete, asphalt or compressed bed of gravel/crushed gravel

Dimensions [mm]	Weight [kg/m ²]	Maximum Fall Height [m]
1,000 x 500 x 50	approx. 34	1.50
1,000 x 500 x 70	approx. 46	2.00

Dimensional Tolerances: Length/Width $\pm 1\%$
Thickness ± 2 mm

Cost
advantage



The cross section shows the homogeneous granular structure.



The knobs on the underside ensure elasticity and drainage.



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Regupol® Safety Tile EPDM

Our **Regupol® Safety Tile EPDM** combines reliable functionality with a high-quality appearance. It possesses the same fall protection values as **Regupol® Safety Tiles FX**. The **Regupol® Safety Tile EPDM** is available in 26 intensive colours. Exposure of the material to sunlight results in minimal fading of the colours as the tiles are manufactured using a special process.* The EPDM wear layer is characterised by high wear resistance, so there is no colour deterioration when subjected to intensive use.



Material

PUR-bonded rubber fibres, PUR-bonded, coloured EPDM granules

Composition

Dual-layer structure with approx. 11-mm-thick compacted, heavy-duty EPDM wear layer and soft sub-base guaranteed to cushion falls; underside with drainage grooves, dowel holes at edges, dummy joint on top at 500 mm

Colours

Selection of 26 colours; see D1 Design Center EPDM Colours

Areas of Application

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

Installation

On concrete, asphalt or compressed bed of gravel/crushed gravel



The cross section shows the dual-layer construction with the solid-coloured EPDM layer.

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

More details at:

D1
Design Center
EPDM Colours

Dimensions [mm]	Weight [kg/m ²]	Maximum Fall Height [m]
1,000 x 500 x 30	approx. 24	
1,000 x 500 x 50	approx. 35	1.50
1,000 x 500 x 75	approx. 46	2.10
1,000 x 500 x 100	approx. 56	2.80
1,000 x 500 x 110	approx. 61	3.00

Dimensional Tolerances: Length/Width $\pm 1\%$
Thickness ± 2 mm

* Note regarding freshly laid tiles:

When **Regupol® Safety Tiles EPDM** have just been laid, there may be slight temporary wax colouring, which will disappear as they weather. The wax is used in the manufacturing process and once it has disappeared the true colours will come through in their full intensity.

New product

Regupol® Safety Tile FXM

Regupol® Safety Tiles FXM have a colourfully structured surface made from EPDM rubber material. Their appearance recalls bark mulch or low-growth vegetation. **Regupol® Safety Tiles FXM** are available in beige-brown and various shades of green. The vivid surface-structure of the tiles copies organic shapes and is suitable for areas that should have a natural look. Even exposure to sunlight results in minimal fading of the material's colours.*



Material

PUR-bonded rubber fibres, PUR-bonded, colourful EPDM-fibres

Structure

Dual-layered structure approx. 11 mm thick, compacted, heavy-duty EPDM wear-layer and soft sub-base for fall protection; drainage grooves on underside; dummy joint at 500mm on top side

Colours

Green, Brown-Beige, Red,
other colours on request

Areas of application

On children's playgrounds, in open-air swimming pools, school yards, etc. Wherever there is an increased risk of injury from falling or where protection from falling is required in accordance with EN 1176/1177.

Installation

On concrete, asphalt or compressed bed of gravel/crushed gravel
The tiles need to be fixed to each other using adhesive and glued to the sub-base.

Dimensions [mm]	Weight [kg/m ²]	Maximum Fall Height [m]
1,000 x 500 x 50	approx. 35	1.50

Dimensional Tolerances: Length/Width $\pm 1\%$
Thickness ± 2 mm

Delivery quantity

Min. 38 tiles/19 m² per pallet

Differences in colour and structure between batches are possible.



Green



Brown-Beige



Red

* Note regarding freshly laid tiles:

When **Regupol® Safety Tiles EPDM** have just been laid, there may be slight temporary wax colouring, which will disappear as they weather. The wax is used in the manufacturing process and once it has disappeared the true colours will come through in their full intensity.



Regupol® Elastic Tile E

Identical to the **Regupol® Safety Tile FX** as regards material composition, shape and colour, **Regupol® Elastic Tile** possesses the same high-quality without the tested impact protection properties. It is the perfect flooring surface for football or streetball pitches, table tennis tables and lots more. With good ball rebound characteristics **Regupol® Elastic Tile E** significantly reduces noise from bouncing and are robust as well as durable.

Regupol® Elastic Tile is supplied in two sizes: 1,000 x 500 mm and 2,000 x 1,000 mm. The larger of our **Regupol® Elastic Tile** is ideally suited for laying on unbound base courses. It reduces any surface irregularities that can result from the settling associated with heavy use. Lines, writing, symbols and pictures are easy to apply using our permanently stable PUR paints.

Elastic tiles made from a cheaper granules material are also available (**Regupol® EG**).

Material

PUR-bonded rubber fibres or granules, solid-coloured

Composition

Single-layer construction consisting of compacted, heavy-duty material. Underside with drainage grooves, dowel holes on sides, dummy joint on top at 500 mm (only tile size 1,000 x 500 mm)

Colours

Red Brown, Green, Black; other colours on request.

Areas of Application

Small playing pitches, streetball pitches, various sports and leisure areas

Installation

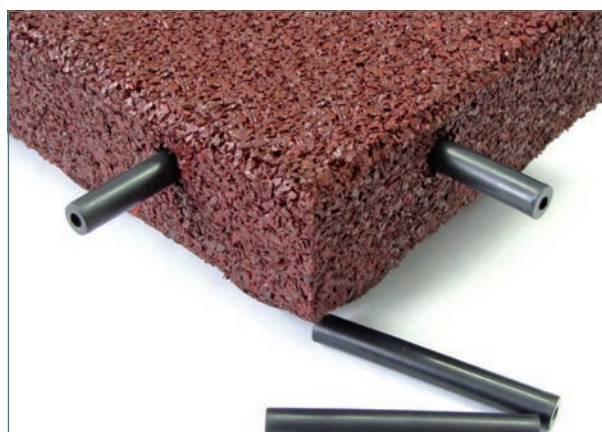
On concrete, asphalt or compressed bed of gravel/crushed gravel; 15 and 22 mm must be bonded on concrete or asphalt

Slip resistance

Complies with evaluation group of slip resistance R10. Certified by DGUV.

Dimensions [mm]	Weight [kg/m ²]
2,000 x 1,000 x 43	approx. 35
1,000 x 500 x 43	approx. 35
1,000 x 500 x 30	approx. 24
1,000 x 500 x 22	approx. 18
1,000 x 500 x 15	approx. 12

Dimensional Tolerances: Length/Width $\pm 1\%$
Thickness ± 2 mm



Artificial dowels are an optional feature of our **Regupol® Safety and Elastic Tiles**. They can be used to fix the tiles to each other.



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Regupol® Elastic Tile EL

Regupol® EL is our large-sized elastic tile and is as high-quality as **Regupol® E**. **Regupol® EL** combines a high-quality appearance with reliable elasticity and phenomenal durability. Besides its appearance, a further fundamental advantage is that it can be laid on all level surfaces without the need to make a special sub-base first. The surface is easy to clean. The **Regupol® Elastic Tile EL** is particularly suitable for use beneath swings and slides, preventing the formation of depressions that increase the risk of accidents and which attract an accumulation of dirt. However, you can also use them to create large elastic surfaces for both indoors and outside.



Material

PUR-bonded rubber fibres or rubber granules, solid-coloured

Composition

Single-layer construction of compacted, heavy-duty material

Colours

Red Brown, other colours on request

Areas of Application

Beneath swings and slides, all small areas subject to heavy wear, decorative large areas

Installation

On concrete, asphalt, compressed bed of gravel/crushed gravel or simply on an even surface



The cross-section shows the homogeneous composition of compacted material.

Dimensions [mm]

2,000 x 1,000 x 43

Weight [kg/m²]

approx. 35

Dimensional Tolerances: Length/Width $\pm 1\%$

Thickness ± 2 mm



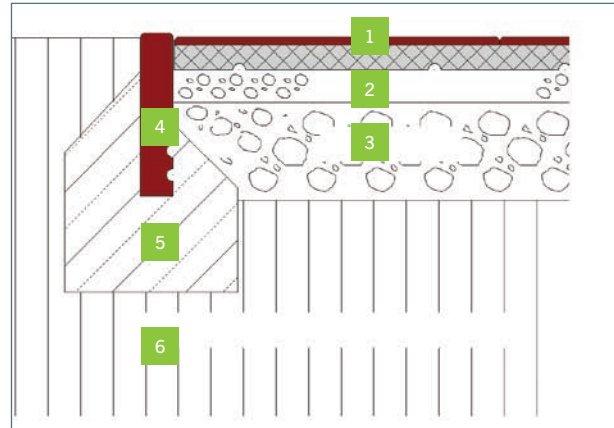
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Installation Instructions for Regupol® Safety and Elastic Tiles

The Base Course

The sub-base should be constructed to be frost-proof in accordance with local practice. This involves digging out the area to the required depth, taking into account the installation depth of the **Regupol® Safety** or **Elastic Tiles**. It is important to ensure good drainage. The frost-proof base should consist of gravel with a granulation of 0–35 mm, minimum thickness 30 cm, which should be overlaid with a layer of fine aggregate with a grit 0–3 or 0–7 mm, thickness approx. 5 cm. The aggregate layers must be firmly compacted. Concrete or asphalt surfaces are subject to local regulations.



Installation on unbound sub-base:

1 **Regupol® Safety Tile** • 2 Bed of crushed gravel • 3 Gravel • 4 **Regupol® Edging Elements** • 5 Edge restraints on concrete base • 6 Natural subsoil

Laying the Tiles

Connecting the Tiles to Each Other

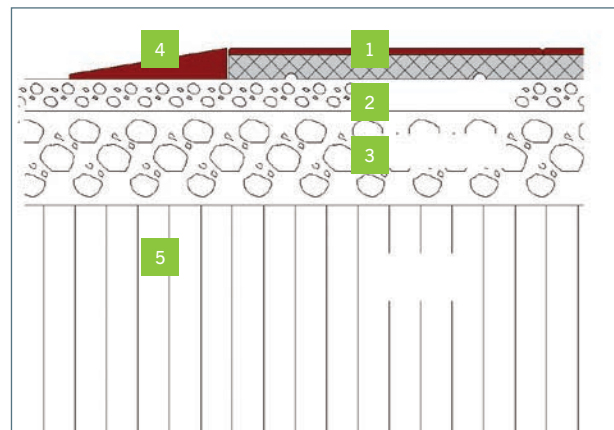
Regupol® Safety and **Elastic Tiles** can be joined to one another by means of dowels, and glued if required. In the majority of cases dowels will be sufficient, reducing the time needed for installation. The tiles must be glued one by one to the bound sub-base. This prevents deliberate levering out and displacement of the tiles.

Edge Restraints

Before laying the tiles on an unbound sub-base an edging should be made to two sides of the area (at a corner) in order to facilitate seamless and precise positioning of the tiles. The **Regupol® Edging Elements** can be used for this purpose.

Laying the Tiles

You should begin laying the tiles in the corner bordered by the edge restraints. First lay a row of tiles from this corner to the opposite end, connecting them with dowels and gluing if necessary. Now lay the other tiles.



Installation on bound sub-base:

1 **Regupol® Safety Tile** • 2 Bound sub-base • 3 Gravel • 4 **Regupol® Anti-Stumble Edge** • 5 Natural subsoil

Tips for Laying

Laying Edge to Edge

As you lay the tiles make sure that they are perfectly aligned. There should be as little space as possible between the tiles, so it is recommended that you apply strong horizontal pressure as you position each tile. This will prevent subsequent gaps from developing, as the material may shrink over time.

Anti-Stumble Edging

When surrounding a tiled area with **Regupol® Anti-Stumble Edges**, they must be glued to the tiles. This gives added strength. The installation of anti-stumble edging is identical to that of tiles.

Cutting the Tiles

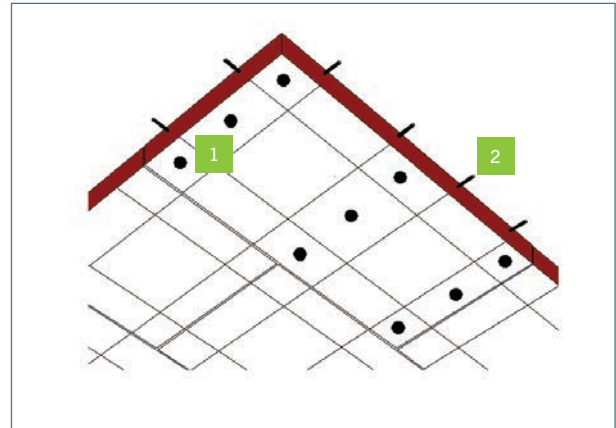
Cut the tiles using a good pendulum jigsaw (coarse wood saw blade or wave blade). This also applies to fittings at the base of equipment, conduit inlets, other floor surfaces, etc. The fittings should be fixed using adhesive.

Adhesion to a Bound Sub-Base

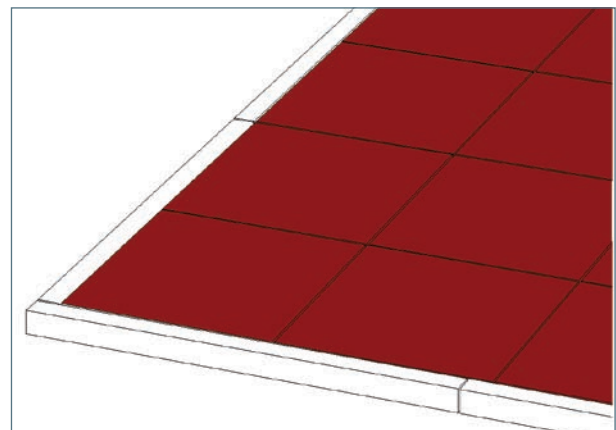
The adhesive required for gluing the tiles to a bound sub-base is available at BSW. It is a two-component PU adhesive. The tiles should be glued to the bound sub-base at the nine glue spots on the underside of the tile. You must ensure that the base is dry and clean, the outside temperature should be at least 10 °C. Adhesive consumption: approx. 1 kg/m², subject to the base course.

Laying on an Unbound Sub-Base

When laying on an unbound sub-base, the tiles can be glued together using a single-component PU mastic besides connecting with dowels. The component adhesive is also available at BSW. This adhesive has the advantage that it retains a certain degree of elasticity between the gaps, which accommodates the fall protection properties of the tiles. The process can be carried out between outside temperatures of +5 and +35 °C. One cartridge is sufficient for approx. 4 m². The bead diameter of the mastic adhesive should be 5–7 mm.



Tile with gluing points and dowels: 1 Gluing points • 2 Dowels



Tiled surface with edging element

Regupol® Interlocking Pavers VB and VBFG

The particular benefit of surfaces constructed from the durable, elastic interlocking pavers is their versatility. **Regupol® Interlocking Pavers** are always the best choice where walking and playing comfort, reduced stress on joints, spike resistance, sound absorption and frost resistance are required. **Regupol® Interlocking Pavers** combine perfectly with common Behaton interlocking pavers and are laid in exactly the same way. The ball rebound characteristics of **Regupol® Interlocking Pavers** are as good as those of **Regupol® Elastic Tiles**. They are also available in rubber fibre construction or in rubber fibres and granules (**Regupol® VBFG**) and are supplied in various colours.

Cost
advantage



Material

PUR-bonded rubber fibres/rubber fibres and granules, solid-coloured

Composition

Single-layer construction of homogeneous material, "double T shapes", "starters" and "half pavers" are also available

Colours

Red Brown, Green, Black

Areas of Application

On small playing pitches, all elastic sports and play areas, footpaths and corridors in hospitals, sanatoriums in clinics and rehabilitation centres, golf courses, walkways at ice rinks, etc.

Installation

As common concrete pavers on concrete or asphalt.

Dimensions [mm]	Weight [kg/m ²] VB fibres	Weight [kg/m ²] VBFG granules
200 x 160 x 43	approx. 37	ca. 35

Dimensional Tolerances: Length/Width $\pm 1\%$
Thickness ± 2 mm



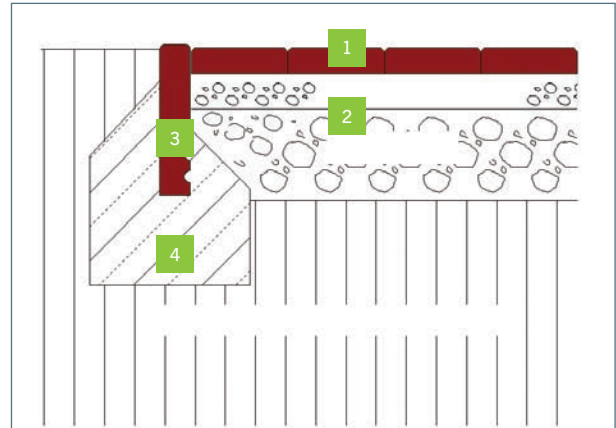
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Installation Instructions Regupol® Interlocking Pavers VB and VBF

The Base Course

The unbound and bound sub-bases for the elastic **Regupol® Interlocking Pavers** are the same as those required for the **Regupol® safety and elastic tiles**. 43 mm **Regupol® Interlocking Pavers** can be laid on any sub-base.



Installation on unbound sub-base:

- 1 **Regupol® Pavers area** • 2 **Gravel/fine level** • 3 **Regupol® Edging Elements**
- 4 **Concrete base**

Laying the Pavers

Laying on an Unbound Sub-Base

Regupol® Interlocking Pavers are laid like common concrete paving stones. Their double T-shape resembles the Behaton concrete paving. The paving slabs are laid hard up against each other starting from one corner, then compacted with a plate vibrator and the joints filled with sand.

Laying on an Bound Sub-Base

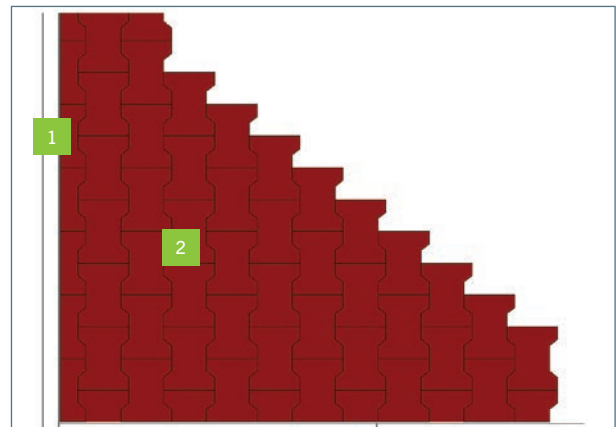
Depending upon the application, the pavers can be laid on a concrete or asphalt base with an edge restraint in place either loose or using adhesive. When laying the slabs you should ensure that the underlying base must have a slope of at least 1–2% for optimum drainage.

Edge Restraints

As with conventional pavers, edge restraints are required. We recommend the elastic **Regupol® Edging Elements**, which resemble the **Regupol® Interlocking Pavers** in quality and appearance. To increase stability you can stick starters, half pavers and whole stones to the edge restraint.

Cutting the Pavers

Cut the pavers using a good pendulum jigsaw (coarse wood saw blade or wave blade). This also applies to fittings at the base of equipment, conduit inlets, other floor surfaces, etc. The fittings should be fixed by gluing.



Paving with edge restraints:

- 1 **Regupol® Edging Elements** • 2 **Regupol® Interlocking Pavers**

Tips for Laying

Adhesion to a Bound Sub-Base

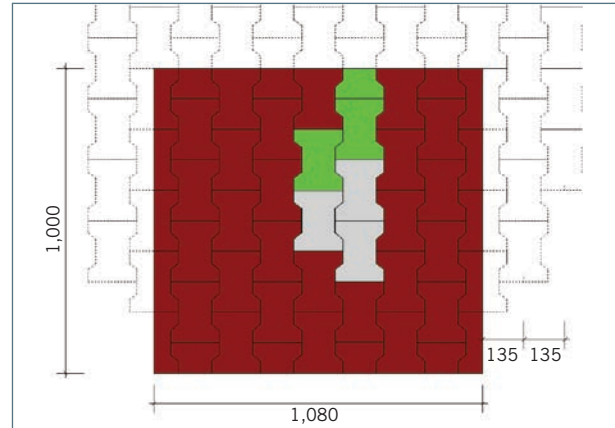
The glue required for sticking the pavers to a bound sub-base is available at BSW. It is a two-component PU adhesive. The adhesive must be applied to sub-base by means of a notched trowel. Laying should be carried out in a primed adhesive bed. The sub-base must be dry and clean. The outside temperature should be at least 10 °C. Adhesive consumption: approx. 1 kg/m² depending upon the surface.

Adhesion to an Unbound Sub-Base

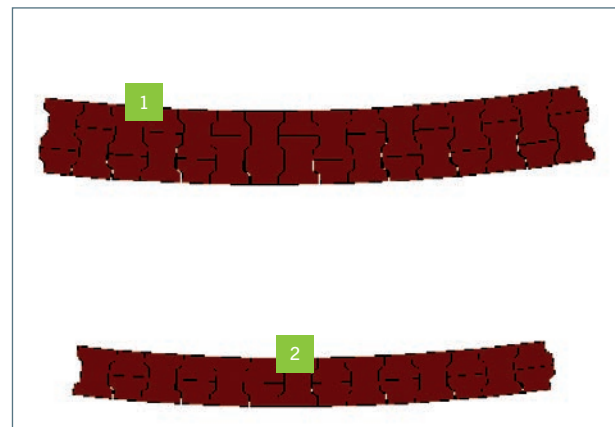
When laying pavers on an unbound sub-base you can increase stability by gluing starters, halves and whole stones to the edge restraints using a single-component mastic adhesive. This single-component adhesive is also available at BSW. The process can be carried out between outside temperatures of +5 and +35 °C. One cartridge is sufficient for approx. 4–6 r. m.. The bead diameter of the mastic adhesive should be 5–7 mm.

Laying in Curves

When laying the pavers in a curve the stones are not interlinked and half-stones are used to create several narrow strips with gaps of a variable thickness. This procedure can be followed for a radius from approximately eight metres, where the thickness of the strip should not exceed two normal stones and one half paver (approx. 50 cm). Curves with a radius of 4–8 metres are laid in strips with two half pavers.



Regupol® Interlocking Pavers



1 Radius from eight metres • 2 Radius of 4–8 metres

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



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