KRAIBURG RELASTEC

IMPACT PROTECTION & PLAYGROUND ACCESSORIES

for Playgrounds and Multipurpose Sports Facilities



EUROFLEX®

#1 / 2018



EPDM colour range

Brings safety and colour onto the playground!

With our EPDM colours there are no limits to the colour design of playing surfaces. In addition to the plain coloured variants, the EPDM granules can be provided with glitter particles or a 2-3-coloured individual granulate mixture can be created.
The EPDM virgin rubber is manufactured in-house and allows for many colour variations.

I available for EPDM Impact Protection Slabs



II available for EPDM accessories & profiles





Fall heights & advantages

Tested quality – that is our promise!

The use of shock-absorbent floor systems is necessitated by the requirements of DIN EN 1177:2008 (2018). This standard requires shock-absorbent flooring for a fall height of 60 cm or more.

The suitability of Impact Protection Slabs made of bonded, permanently elastic recycled rubber granules is documented by a test certificate. The impact attenuation is demonstrated by means of the HIC method.

All EUROFLEX® Impact Protection Slabs are tested in accordance with DIN EN 1177:2008 (2018) to determine the HIC value.

Tested Quality
ISO 9001 certified, Compliance with impact protection standards EN 1177:2008 (2018)

Environment-friendly manufacturing process
high recycling rate

Integrated connector pins
secure slabs against accidental displacement and theft

High anti-slip properties
due to granular structure; Water permeability prevents puddling

Great freedom for design
numerous SBR and EPDM colours, glitter, multicolor, motives, letters, numbers

Outstanding durability
frost-proof and rot-proof

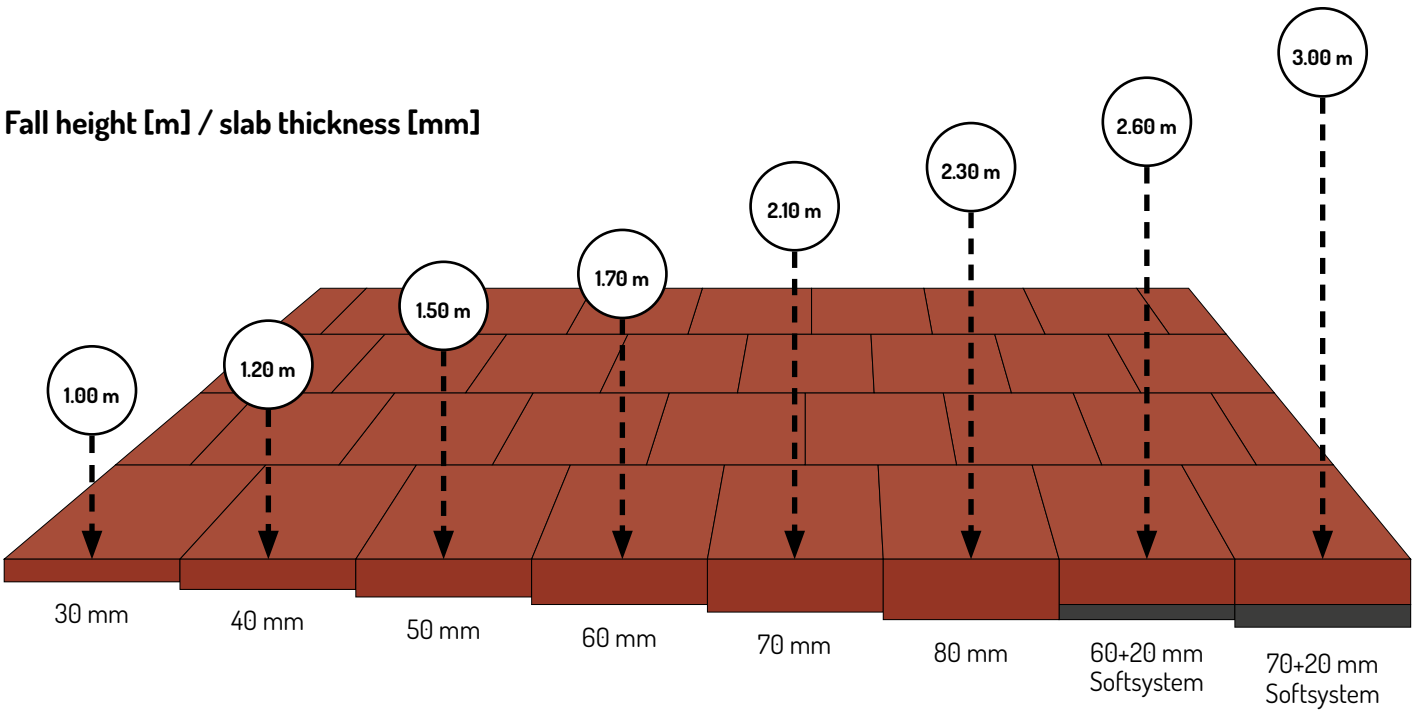
High elasticity
for cushioning shocks / falls and for a pleasant walking sensation

Impact sound insulation
for a calm climate

Complete traceability
of the raw-materials through to the final product by using production codes on every single slab

Wide range of peripheral accessories
balls, half balls, cube, stepper, mushrooms, animals

Fall height [m] / slab thickness [mm]





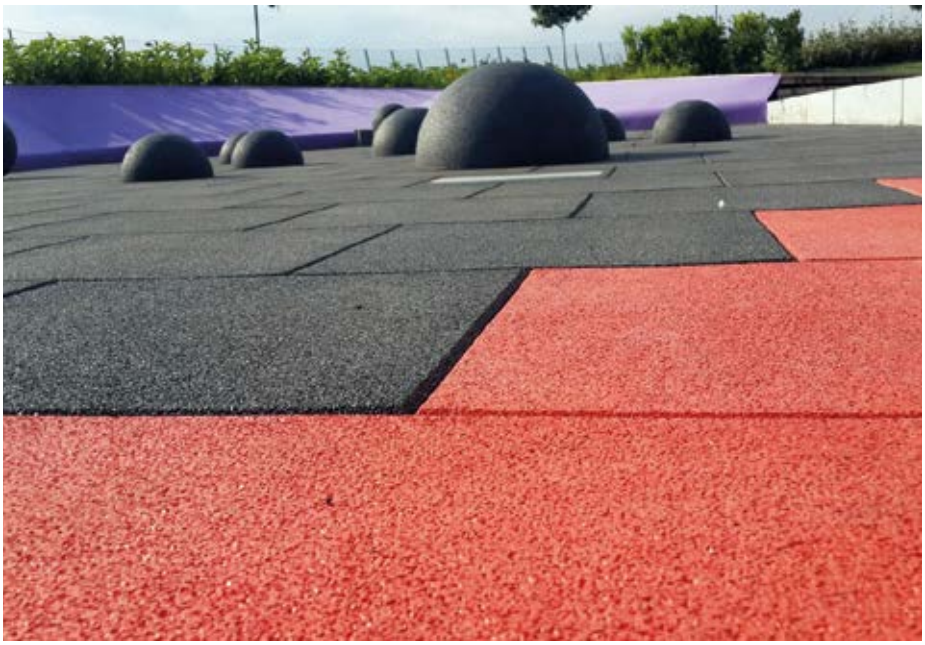
Impact protection slabs

Highest safety standards since more than 40 years!

EUROFLEX® Impact Protection Slabs guarantee the highest safety standard on playgrounds – for the past 40 years. They allow children to romp about happily, without risk of injury. EUROFLEX® Impact Protection Slabs offer effective protection when children jump or fall to the ground by attenuating the impact and therefore reducing the risk of injury.













EUROFLEX® Impact Protection Slabs SBR & edge and corner profiles

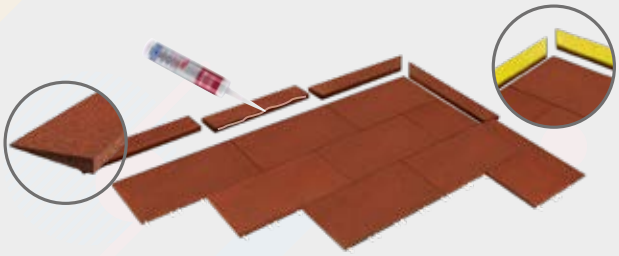
The shock absorption of EUROFLEX® Impact Protection Slabs provides safety without sacrificing problem-free use and durability. Unharmed by weathering and extreme temperatures, they let children play without a care – day in and day out. EUROFLEX® Impact Protection Slabs are TÜV approved according DIN EN 1177:2008 (2018). Edge and corner profiles significantly improve safety around surfacing systems by reducing the danger of stumbling. Another important benefit: they allow access with wheelchairs and pushchairs.



Impact Protection Slab standard red

length / width	500 x 500 mm / 500 x 250 mm 1,000 x 500 mm (only for 40, 50 mm thickness)
fall heights	see table below
colours	red/green/black/grey
other	pre-installed connector pins included

max. fall height [m]	thickness [mm]	dimensions [mm]	weight ca. [kg/pcs.]
1.00	30	500 x 500	5.2
1.00	30	500 x 250	2.6
1.20	40	500 x 500	6.5
1.20	40	500 x 250	3.3
1.20	40	1,000 x 250	13.0
1.50	50	500 x 500	7.5
1.50	50	500 x 250	3.8
1.50	50	1,000 x 250	15.0
1.70	60	500 x 500	9.0
2.10	70	500 x 500	10.4
2.10	70	500 x 250	5.2
2.30	80	500 x 500	12.0
2.30	80	500 x 250	6.0
2.60	80	Softsystem	9.5
3.00	90	Softsystem	11.0

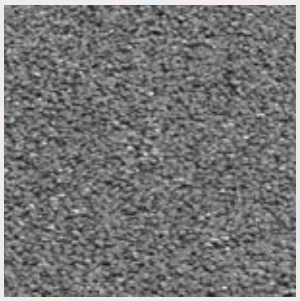


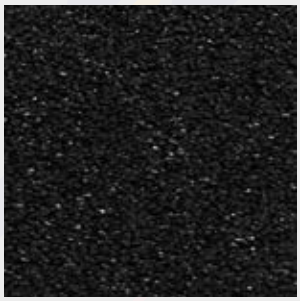
edge and corner profiles (also available with EPDM coating)

length / width	edge and corner profiles: 1,000 x 250 mm
heights	30/10, 40/10, 50/20, 70/20, 80/20, 90/20
colours	red/green/black/grey also available with EPDM coating















EUROFLEX® Impact Protection Slabs with letters, numbers and motifs

The EUROFLEX® Letter and Number Slabs are ideal for designing playgrounds in schools, kindergartens and day care facilities and provide educational enhancement for all play and sports areas, as well as amusement parks. EUROFLEX® design slabs – alone or in combination with letter and number slabs – provide exciting design options. Areas with themes like e.g. zoo, star or sea can be created.



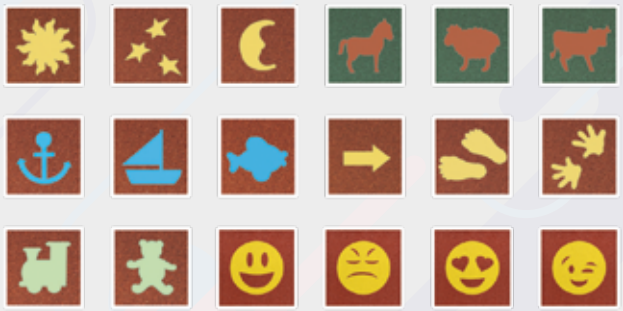
Impact Protection Slab with letters and numbers

length / width	500 x 500 mm
fall heights	please see page 5
colours	lower side: red/green/black/grey letters/numbers: EPDM inlays in blue/red/grey
available	numbers 0-9, letters A-Z
other	pre-installed connector pins included



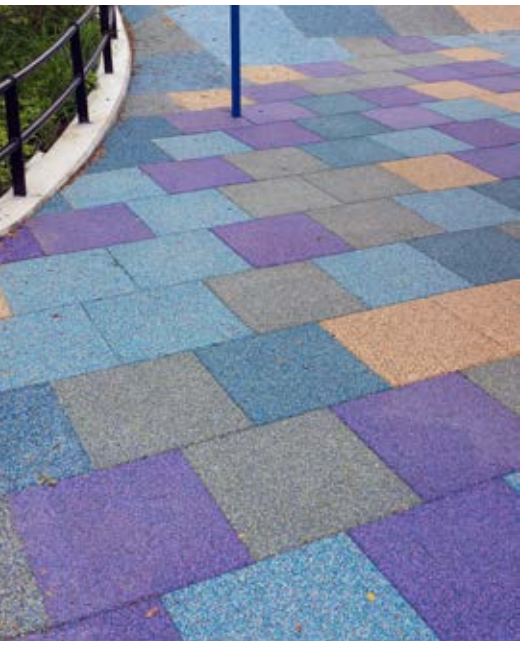


Impact Protection Slab with motifs



length / width	500 x 500 mm
fall heights	please see page 5
colours	lower side: red/green/black/grey motifs: EPDM inlays
available	slabs with motifs only available in colour combinations shown above
other	pre-installed connector pins included



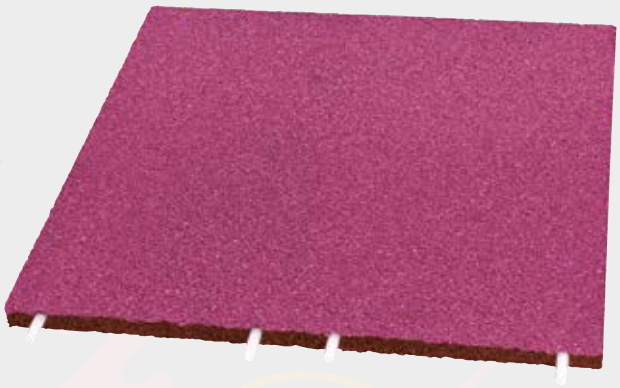




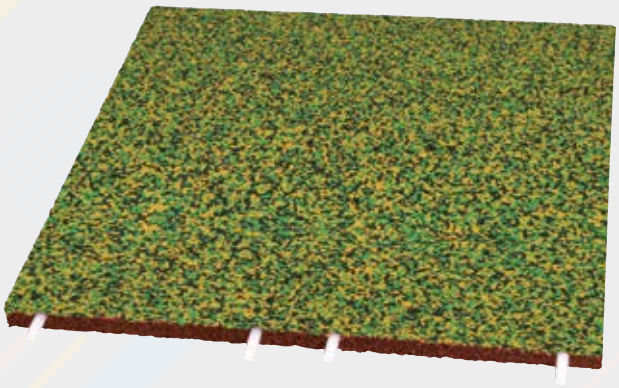
EUROFLEX® Impact Protection Slabs EPDM, Multicolor, Mulch

EUROFLEX® EPDM Impact Protection Slabs enable playground colour design without limits. They fulfill highest safety standards in accordance with EN 1177:2008 (2018), provide personalized colour patterns which blend in perfectly with any surroundings, showcase the playing options offered, enhance recreational value and promote childrens' creativity. The virgin EPDM coat is formulated in-house.

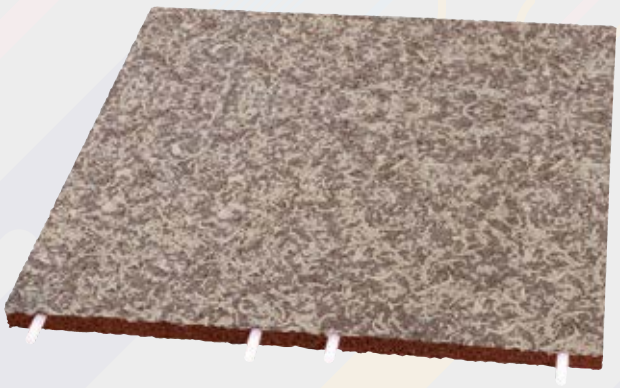
The Impact Protection Slabs EPDM are available in all EPDM colours, Mulch is only available in the two colours shown.



Impact Protection Slab EPDM



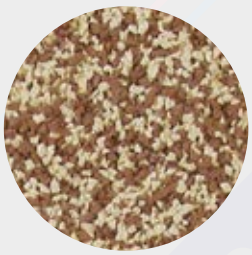
Impact Protection Slab EPDM Multicolor - up to 3 individual colours



Impact Protection Slab EPDM Mulch - with mulch structure



example 3 colours



example 2 colours

Mix your own coulor!

kraiburg-relastec.com/euroflex/en/color-mixer



beige-brown



light green - dark green

max. fall height [m]	thickness [mm]	dimensions [mm]
1.00	**30**	500 x 500
1.20	**40**	500 x 500
1.40	**50**	500 x 500
1.60	**55**	500 x 500
2.10	**70**	500 x 500
2.40	**80**	500 x 500
3.00	**90**	Softsystem



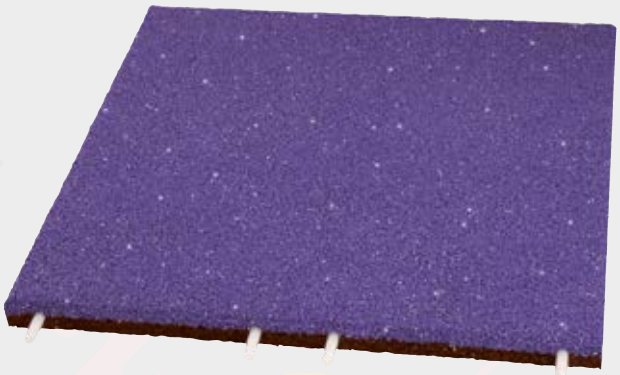




EUROFLEX® Impact Protection Slabs EPDM Glitter and Aqua

EUROFLEX® EPDM Impact Protection Slabs enable playground colour design without limits. They fulfill highest safety standards in accordance with EN 1177:2008 (2018), provide personalized colour patterns which blend in perfectly with any surroundings, showcase the playing options offered, enhance recreational value and promote childrens' creativity. The virgin EPDM coat is formulated in-house.

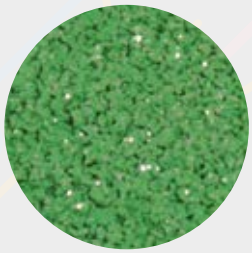
Our Aqua and Glitter slabs are available in all EPDM colours.



Impact Protection Slab EPDM Glitter - with glitter particles

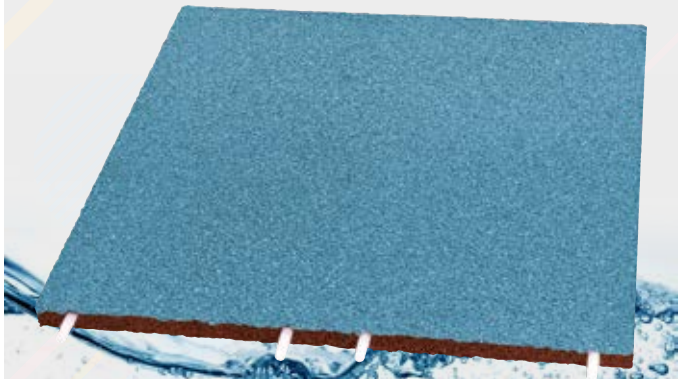


example: pink



example: green

max. fall height [m]	thickness [mm]	dimensions [mm]
1.00	**30**	500 x 500
1.20	**40**	500 x 500
1.40	**50**	500 x 500
1.60	**55**	500 x 500
2.10	**70**	500 x 500
2.40	**80**	500 x 500
3.00	**90**	Softsystem



Aqua Impact Protection Slab - especially for wet areas

max. fall height [m]	thickness [mm]	dimensions [mm]
1.00	**30**	500 x 500












10
8 9
7
5 6
4
2 3
1
0





Playground accessories

Turns every playground into an experience!

Whether in schools and day-care centers or sports and play facilities: EUROFLEX® accessories make every playground an experience. They give children room for creativity and imagination, while offering diverse possibilities for play and activity. They not only enhance the appearance of your playground with individual colour designs, but also perfectly supplement the EUROFLEX® Impact Protection Slabs. The rubber material serves as a warm and comfortable seat and is fast-drying, weatherproof, non-splintering and soft, and therefore safe.







Interactive Games



Living Animals

- Human powered
- No power supply needed
- Adjustable volume
- Digital audio quality
- USB storage for MP3 audio files inside (delivery contains USB stick with animal sounds and stories in German and English language)

dimensions L x W x H	elephant: 560 x 190 x 395 mm rhinocerus: 700 x 250 x 400 mm dromedary: 750 x 200 x 510 mm (dimensions with crank: + 143 mm length)
colours	elephant: red RAL 3017 rhinocerus: blue RAL 5015 dromedary: yellow RAL 1012
accessories	per animal 2 ground anchors with adapter (including screw-in bar and adhesive) or 1 base plate has to be ordered separately

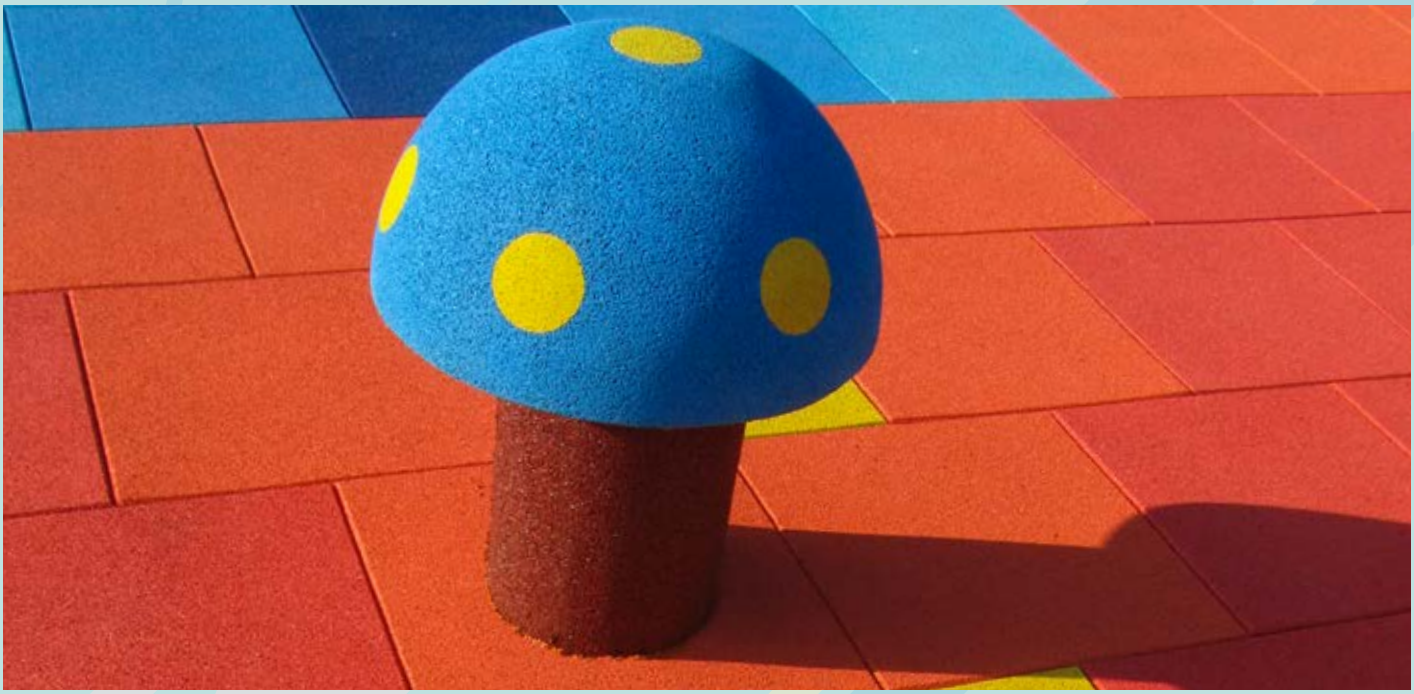
Interactive games



Talking Mushroom

- same properties as Living Animals
- additional: adjustable playback times

dimensions	**stam**: Ø 255 mm, height: 400 mm **cap**: Ø 500 mm, height: 250 mm
colours	**stam**: red **cap**: EPDM RAL 5015 blue with dots in RAL 1012 orange



Interactive Games



Game Floor

Energy is created with the crank on the half ball which generates a light effect in different colours on the elastic slabs (4 or 8 slabs possible). The children have to jump on the tiles and kick the current colour (an integrated speaker in the half ball is telling the colour). When the player kicks the illuminating tile, another one will illuminate and so on. The software will adapt the speed to the skill of the player.

dimensions	**energy element**: Ø 500 mm, height: 250 mm **slabs**: 500 x 500 x 30 mm
colours	**energy element:** bright red EPDM RAL 3017 **slabs:** blue EPDM RAL 5015













EUROFLEX® animals and mushrooms

Imaginative play equipment or an exciting seating option - EUROFLEX® animals and mushrooms offer kids everything they need for their naturally active lives and communication requirements. They can be used as more than just playthings, and can also be used as little islands in playgrounds and kindergartens. They unite the various elements of play in a single piece of equipment.



elephant, pony, dromedary, rhinocerus

dimensions L x W x H	elephant: 560 x 190 x 395 mm rhinocerus: 700 x 250 x 400 mm dromedary: 750 x 200 x 510 mm pony: 580 x 200 x 470 mm base plate: ø 700 mm
colours	SBR: red/green/black/grey EPDM: see page 3
accessories	to be ordered separately: **outdoor areas**: per animal 2 ground anchors with adapter (including screw-in bar and adhesive) **indoor areas**: 1 base plate (including adhesive)



mushrooms

Ø stam	255 mm
height stam	200 / 300 / 400 / 500 mm
colour stam	SBR red
Ø cap	450 mm
height cap	150 mm
colours cap	EPDM red, green, yellow, blue
accessories	to be ordered separately: per mushroom 1 ground anchor with adapter (including adhesive)







EUROFLEX® balls, half balls & cubes

EUROFLEX® balls, half balls and cubes are highly successful design components for distinctively noticeable playgrounds. They are suitable for playgrounds, as seating or bordering element also in pedestrian zones. They are also a perfect solution as a climbing or balancing element.



balls and half balls

dimensions	Ø 345 / 500 / 695 mm
colours	SBR: red/green/black/grey EPDM: see page 3
accessories	to be ordered separately: **outdoor areas**: ground anchor (including adhesive) **indoor areas**: metal plate 300 x 300 x 4 mm



cubes (with or without motifs)

dimensions	400 x 400 x 400 mm
colours	SBR: red/green/black/grey EPDM: see page 3
accessories	The cubes can be ordered with or without integrated ground anchor
motifs for SBR cube	dog, mouse, cat







EUROFLEX® modular sandbox edging & Stepper

Playing in a sandbox is one of the favourite activities of children. The EUROFLEX® Modular Sandbox Edging is the ideal supplement for separating the sandbox from the remainder of the playground. The soft rubber surface offers active all-round protection and protects children from painful and serious injuries (as opposed to slippery and weathered sandbox edges made of wood or concrete, which pose a high risk of injury due to their surface structure and hardness). The use of side elements allows a high degree of freedom in designing the sandbox and access by machinery for replacing the sand.

EUROFLEX® Stepper is a balancing element with 4 different heights for fitness courses and playing areas. It trains sense of balance and coordination skills in a playful way. The easy-to-install base socket (to be ordered separately) provides stable support and facilitates installation and removal.



modular sandbox edging

dimensions	1,150 x 150 x 300 mm
colours	red/green/black/grey
other	double steel reinforcement garantees excellent material stability of the pivot joints
accessories	plastic connector pins included, anchoring piles 60 / 100 cm to be ordered separately



Stepper with or without motif

diameter	Ø 255 mm
heights	200 / 300 / 400 / 500 mm
colour	Stepper: red motifs: flower / butterfly in bright orange or bright blue
accessories	ground anchor with adapter (including screw-in bar and adhesive) to be ordered separately



Surfacing systems

For recreational and sports facilities

Safety is of utmost importance in recreational activities and sports. Modern surfacing systems for multipurpose sports facilities provide essential cushioning protection for players' joints and ligaments. They also provide other benefits: they can be played on under almost all weather conditions and reduce noise levels for neighbours.

EUROFLEX® sports pavement slabs

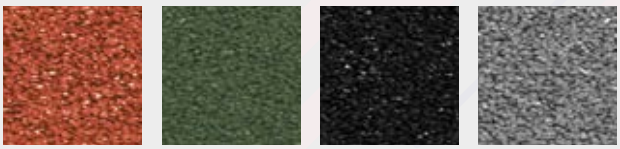
EUROFLEX® Sports Pavement Slabs are highly compacted in manufacturing, giving them excellent abrasion resistance and outstanding ball rebound properties in accordance with DIN 18032 Part 2. Their high elasticity provides cushioning for players' ligaments and joints.



sports pavement slab

dimensions	500 x 500 x 30 mm (98% ball reflexion) 500 x 500 x 40 mm (97% ball reflexion) 1,000 x 500 x 40 mm (97% ball reflexion)
colours	red/green/black/grey
sound deadening	23 dB





EUROFLEX® Elastic pavement blocks & paving block tiles

These products offer the familiar appearance of paving stones, but unlike concrete they are elastic and non-slip. Furthermore, they dry faster after rain. They are the ideal floor coverings for footpaths in rehabilitation centres, day-care centres, retirement homes, hospitals, outdoor fitness parks and golf courses.



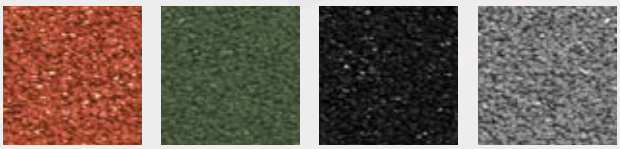
elastic pavement blocks

dimensions	full blocks: 200 x 165 x 43 mm half blocks: 100 x 165 x 43 mm starter: 200 x 140 x 43 mm
need/m²	35 pcs.
colours	red/green/black



paving block tile

dimensions	500 x 500 x 40 mm
colours	red/green/black/grey





Peripheral components

Safety all over – even in the smallest details!

Although the playing surface is the obvious center of attention in playgrounds, sports and recreational facilities, it is not the only area where impact protection makes a difference. Edge and corner profiles are ideal to avoid trip hazards. Other borders can be used to define lawn areas or to secure hard concrete edges. Bordering elements can be also combined with balancing elements.













EUROFLEX® step blocks

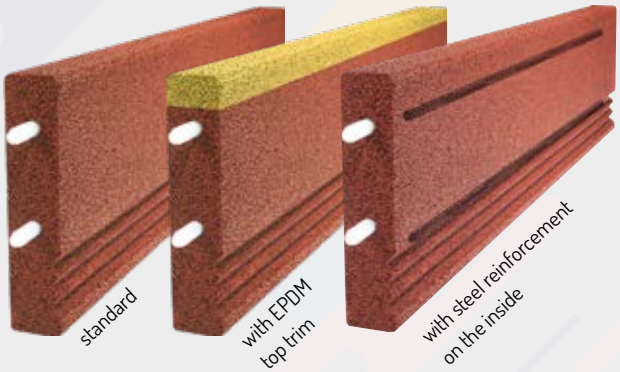
- edging of jumping pits and playgrounds
- boards and peripheral enclosures around sports surfaces
- stairways, e.g. for downhill slopes or slides
- spectator standing or seating areas
- tailor-made seating arrangements



dimensions	1,000 x 300 x 150 mm 1,021 / 785 x 300 x 150 mm (1/8 circular arc section r=1 m) 1,000 x 240 x 120 mm
colours	red/green/black/grey

EUROFLEX® lawn edging

Ideal bordering for Impact Protection Slabs, sandboxes, walkways or edge trim for trees and bushes.



dimensions	1,000 x 250 x 50
colours	red/green/black/grey also available with EPDM top trim (see page 3)

EUROFLEX® protective edging

Ideal for covering trampoline springs and frames. It provides effective protection against life-threatening injuries that could be caused by impact on the edge area of the trampoline.



dimensions	1,000 x 250 x 50 mm
colours	SBR: red/green/black/grey EPDM: see page 3

EUROFLEX® edge protectors & perimeter panels

EUROFLEX® Edge Protectors provide problem-free covering of all types of concrete edges, minimizing danger of injury in schoolyards, playgrounds and daycare centres.
With our EUROFLEX® perimeter panels, functional areas with concrete can be covered.



dimensions	edge protector: 1,000 x 400 x 45 mm perimeter panel: 1,000 x 300 x 50 mm, leg 160
colours	red/green/black/grey







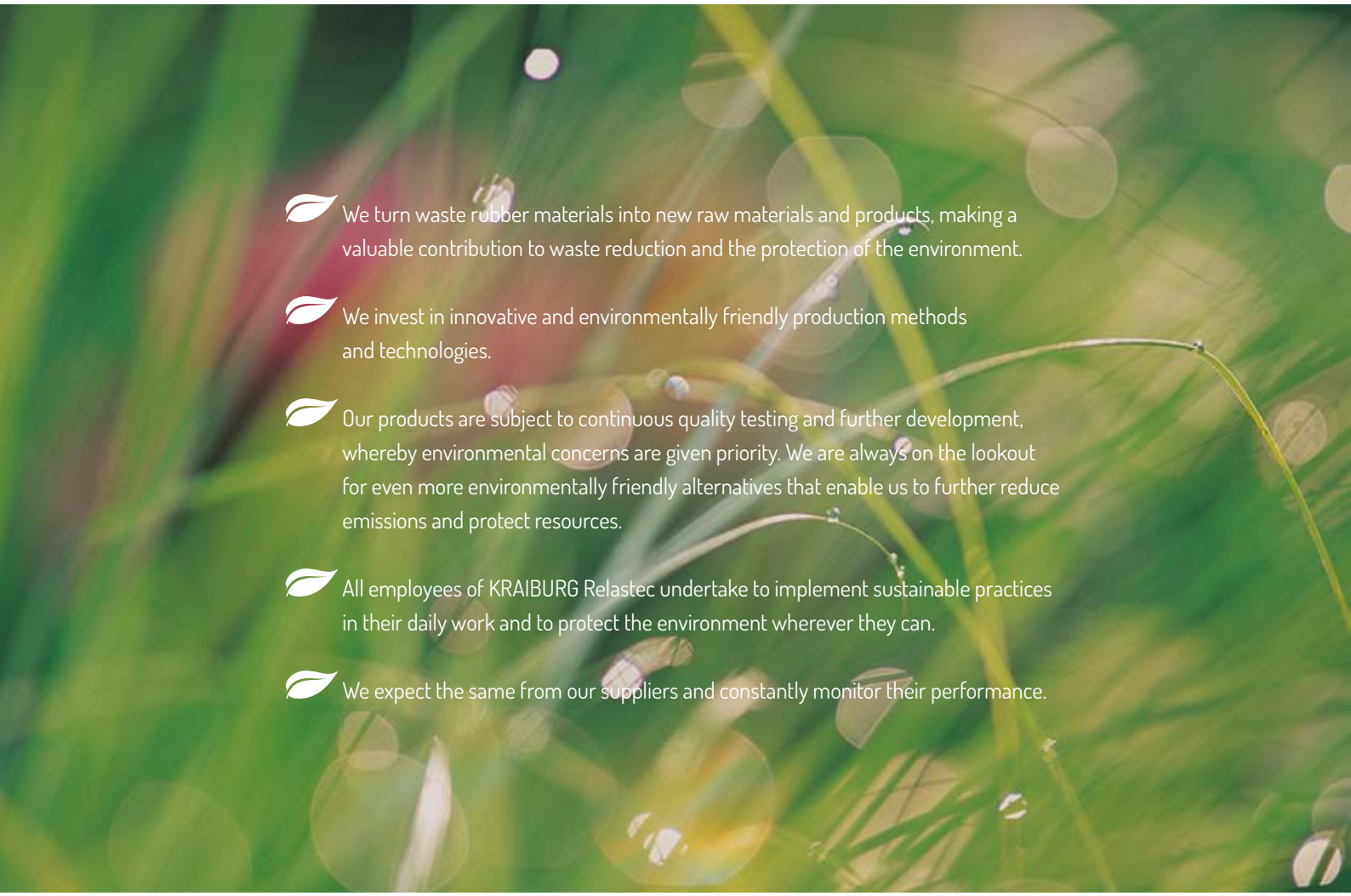
EUROFLEX® rubber palisade

- edging for trees, shrubbery and flower beds
- support for slopes and embankments
- stairways, e.g. for downhill slopes or slides
- balancing walkways



dimensions	**total height = 650 mm** (rubber part 400 mm + steel anchor 250 mm) **total height = 850 mm** (rubber part 600 mm + steel anchor 250 mm) **total height = 1050 mm** (rubber part 800 mm + steel anchor 250 mm)
colours	red/green/black/grey
quantity required	5 pcs./lfm





Environmental management at KRAIBURG Relastec

KRAIBURG Relastec is one of the best known global companies that specialise in the production of technical rubber materials from old tyres. As a recycling specialist, we have for many years been committed to the protection of the environment. Every year, we process and recycle about 85,000 tons of old tyres, closed-cell rubber and rubber production scrap. From these raw materials, we produce high-quality granules based on our internally developed formulations. These granules make up more than 90 % of the material used in our finished products. All our products are 100 % recyclable without loss of quality.

At KRAIBURG Relastec, protecting the environment is a strategic priority. We are convinced that sustainable growth is only achievable if we meet our responsibilities towards the environment. KRAIBURG Relastec has therefore adopted a very simple policy: Protecting the environment is part and parcel of what we do every day!

Our "pro environment" logo stands not only for 40 years of sustainable business practices that protect resources, but emphasises our commitment to product quality and continuous improvement for the protection of the environment beyond the statutory regulations.





Production loading address

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EUROFLEX®

IMPACT PROTECTION & PLAYGROUND ACCESSORIES
FOR PLAYGROUNDS AND MULTIPURPOSE SPORTS FACILITIES
made from rubber granules

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qualityaustria SYSTEMZERTIFIZIERT
ISO 9001:2015 NR. 00186/0
ISO 50001:2011 NR. 00070/0

IPEMA INTERNATIONAL PLAY EQUIPMENT MANUFACTURERS ASSOCIATION

BSFH Wir schaffen Spielräume

TÜV SÜD GS geprüfte Sicherheit

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