



IMPACT PROTECTION SLABS & ACCESSORIES for Playgrounds and Multipurpose Sports Facilities











Fall heights & advantages

Tested quality - that is our promise!

The use of shock-absorbent floor systems is necessitated by the requirements of DIN EN 1177:2018. 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 1177:2018 to determine the HIC value.



Tested Quality

ISO 9001 certified, Compliance with impact protection standards EN 1177:2018

Environment-friendly manufacturing process high recycling rate



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

single slab

High anti-slip properties

due to granular structure; Water permeability prevents puddling



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

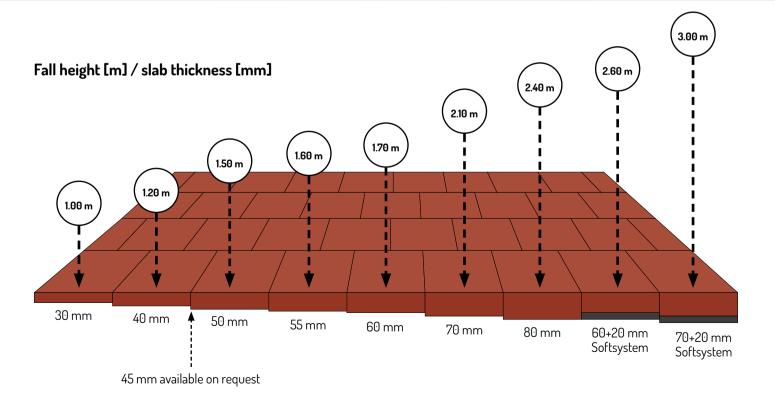


Complete traceability of the raw-materials through to the final product by using production codes on every



Wide range of peripheral accessories

balls, half balls, cube, diamonds, stepper, mushrooms, animals





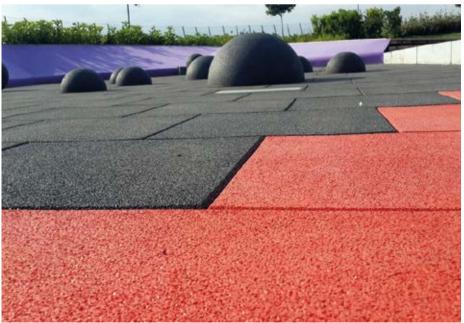
Impact protection slabs

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 reliable 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 to DIN EN 1177:2018. Edge and corner profiles are significantly improving the 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	1,000	x 500 mm / 500 x 20) x 500 mm (only for mess)	
fall heights	see t	able below	
colours	red/	green/black/grey	()
other	pre-installed connector pins included		ins included
max. fall height [m]	thickness [mm]	dimensions [mm]	weight ca. [kg/pcs.]
1.00	30	500 x 500	5.3
1.00	30	500 x 250	2.7
1.20	<mark>40</mark>	500 x 500	6.7
1.20	40	500 x 250	3.3
1.20	40	1.000 x 500	13.3
1.50	50	500 x 500	7.8
1.50	50	<mark>500</mark> x 250	3.9
1.50	50	1.000 x 500	15.5
1.60	55	500 x 500	8.1
1.70	60	500 x 500	9.1
2.10	70	500 x 500	10.3
2.10	70	500 x 250	5.2

500 x 500

500 x 250

Softsystem

Softsystem

11.8

5.9

9.3

10.5

2.40

2.40

2.60

3.00

80

80

80

90

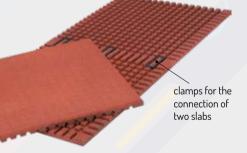


Edge and corner profiles (also available with EPDM coating)

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	

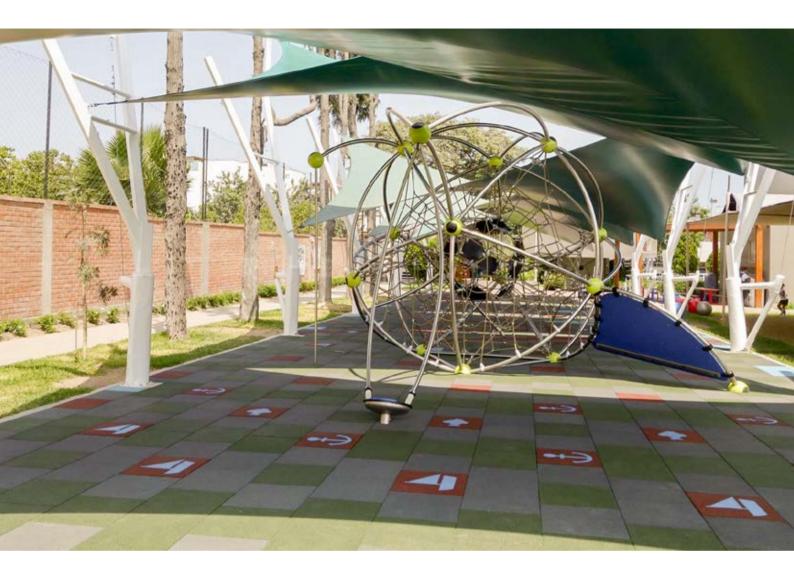
Accessibility

Thanks to our edge and corner profiles, all impact protection slabs can be installed barrier-free.



protect slab (for slides & swings)

leng <mark>th</mark> / width / height	1,000 x 1,000 x 40 mm	
fall heig <mark>h</mark> t	1.30 m	
colours	red/green/black/grey	
other	three connectors/clamps are supplied free of charge per slab.	







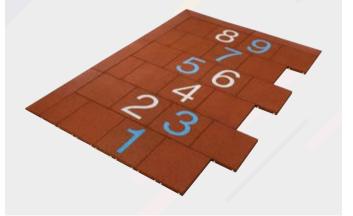
EUROFLEX® Impact Protection Slabs with letters, numbers and motifs

The EUROFLEX® Letter and Number Slabs are ideal for designing playgrounds in schools, kindergardens 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. farmhouse, 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 letters/numbers: EPDM inlays in blue/red/grey
available	numbers 0-9, lett <mark>ers A-Z</mark>
other	pre-installed coppector pips included





Impact Protection Slab with motifs

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M	¥	•	8	€	69

length / width	500 x 500 mm
fall heights	please see page 5
available colours	slabs with motifs are 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 1177:2018, provide personalized colour patterns and promote childrens' creativity.

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



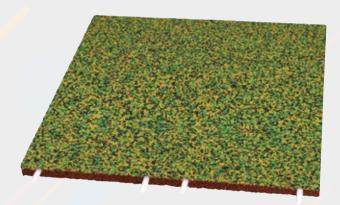
Impact Protection Slab EPDM



Impact Protection Slab EPDM Mulch - with mulch structure



beige-brown



Impact Protection Slab EPDM Multicolor - up to three individual colours





example 3 colours

example 2 colours

Mix your own color!

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

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
<mark>2.1</mark> 0	70	500 x 500
2.40	80	500 x 500
3.00	90	Softsystem



light green - dark green

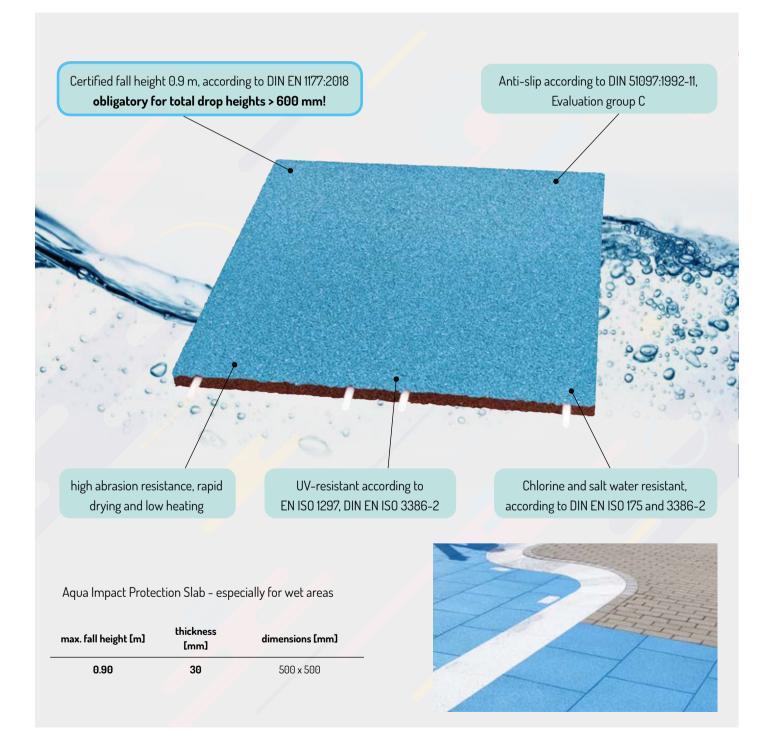






EUROFLEX® Aqua Impact Protection Slabs

EUROFLEX® Aqua impact protection slabs are suitable as shock-absorbing floor coverings for playgrounds, especially in water and spray parks equipped with a wide variety of water fountains. The slab generation combines the safety aspect with all the EPDM possibilities shown on page 13. It meets the standard DIN EN 1177, which prescribes a certified fall height from total fall heights > 600 mm (according to DIN EN 17232:2019 Water play equipment and features - Safety requirements, test methods and operational requirements).





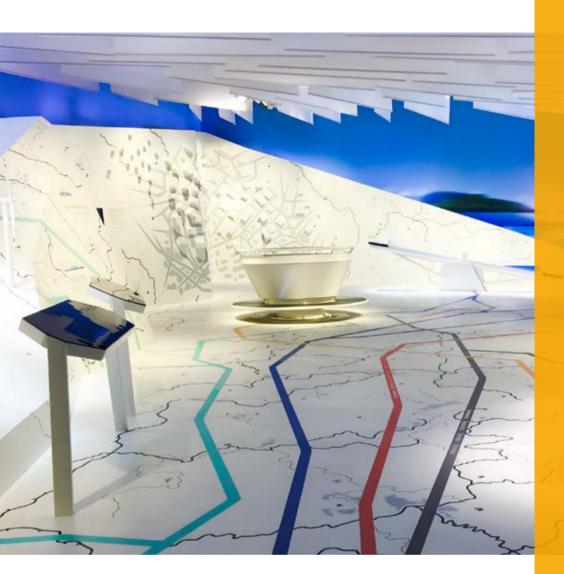












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The best of both worlds

EUROFLEX® impact protection slabs have been proving their value for many years thanks to their high impact protection values for children's playgrounds. Although our EPDM impact protection slabs and their various designs already offer numerous design possibilities, there are still limits. With our new EUROFLEX® Visual System you can now print individual designs with pixel precision – in virtually any shape and size! From motifs such as stones, lawns, wooden floors, sea and jungle to your own logos, corporate design colours or lines, everything is possible!



- vinyl surface layer with individual motif

` adhesive

EUROFLEX® slab (without chamfer)

concrete base

FAQ - Frequently Asked Questions

Which impact protection slabs are suitable as substrate for the Visual System?

All SBR impact protection slabs of 30–80 mm can be used depending on the required fall height. The only difference is that the edges of the impact protection slabs are not chamfered when used under a printed surface. This makes it easier to create a completely smooth, jointless surface. The colour of the slabs does not matter as the surface is 100% opaque.

What material is the printed surface layer made of?

The surface layer is a 2 mm thick vinyl covering. It is standardly divided into 2.0/3.0 m wide strips (max. 4 m possible).

The surface layer is **sealed ex factory**.

The product consisting of impact protection slabs and printed surface layer is offered and supplied as a complete system by KRAIBURG Relastec.

Which motifs can be printed?

In principle, any motif can be printed on the vinyl surface layer. However, a high resolution of the motif is decisive. Mobile phone shots or shots with cameras are usually not sufficient. Especially for larger areas, professionally created textures or vector graphics are recommended, which can be scaled to any size without loss of quality. We will be happy to send you detailed print data requirements on request.

Advantages

- high UV resistance (>6)
- high slip resistance (R10)
- flame retardant
- antistatic



More information in the EUROFLEX® Visual System brochure





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.

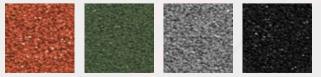
EUROFLEX® sports pavement slabs

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	nt slab (for multipurpose areas)
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/gr <mark>ey</mark>
sound deadening	23 dba
fall height	30 mm: 0.90 m; 40 mm: 1.10 m

Also ideal for mobile applications!





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**.

3	
	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
fall height	1.00 m
	Paving block tile
dimensions	500 x 500 x 40 mm
	red/green/black/grey
colours	
colours fall height	1.10 m



Playground accessories



Make every playground an experience!

Whether in schools and kindergartens, amusement parks or sports and playgrounds: EUROFLEX® accessories turn every playground into an experience. It leaves children room for creativity and imagination and offers a wide range of play and movement options. It's not only enhancing your playground with individual and colourful design options, it is also perfectly fitting to the EUROFLEX® impact protection slabs. Rubber as a material ensures a pleasant seat, dries quickly, is weather-resistant, soft and therefore safe.



Tested quality

tested according to EN 71/3, tested safety according to the German Equipment Safety Act, fire test, special abrasion tests



Environmentally friendly production high recycling rate



High resistance against frost and weathering



Clear, natural design Attractive, simple, stable shapes



High-quality raw materials High-quality granulates and binding agents



High elasticity minimizes the risk of injury during balancing and climbing on playground accessories



High slip resistance for balancing on balls, half balls, dice or also on steppers



Many design options numerous SBR and EPDM colors, multicolor, motifs, letters, numbers





EUROFLEX®



Living Animals

- Power is created by the user
- 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)

.mp3 sound files available on request

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





- Power is created by the user
- 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)
- adjustable playback times

.mp3 sound files available on request

dimensions

I CAN TELL A STORY!

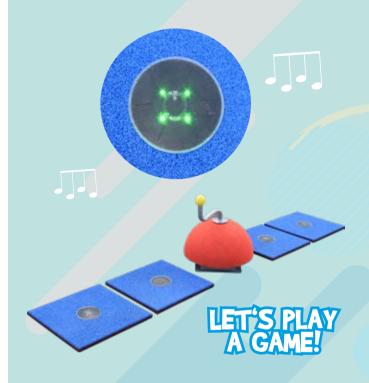
stam: Ø 255 mm, height: 400 mm cap: Ø 500 mm, height: 250 mm

colours

stam: red cap: EPDM RAL 5015 blue with dots in RAL 1012 orange



EUROFLEX®



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.

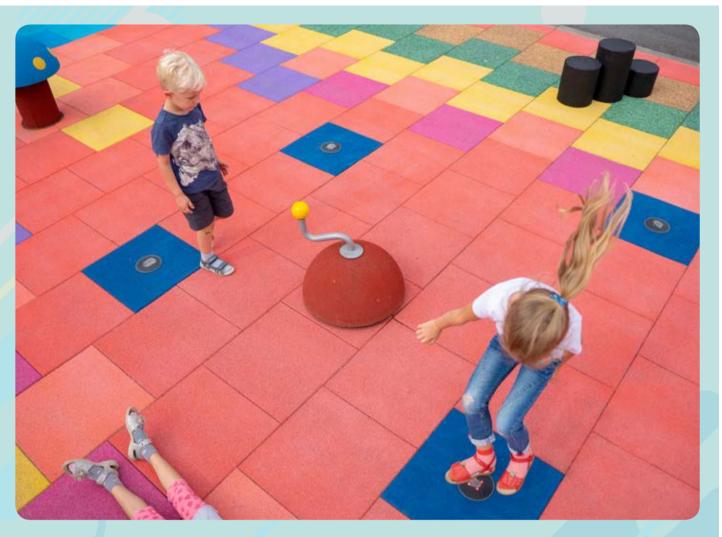
dimensions

energy element: Ø 500 mm, height: 250 mm **slabs**: 500 x 500 x 30 mm

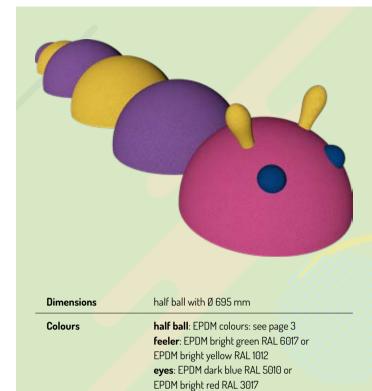
colours

energy element: bright red EPDM RAL 3017 slabs: blue EPDM RAL 5015











Caterpillar head

The EUROFLEX® caterpillar head is a design element that can be used to combine half balls and balls to form a caterpillar. The elements then offer a seating accommodation or an opportunity to play for children and can be extended by any number of EUROFLEX® balls. The eyes are already glued on, the feelers must be glued on after delivery. Consequently the caterpillar adds a friendly face to every playground.

Diamond

EUROFLEX® Diamond is a design element that can be used as a seat, balancing element or demarcation element. It lines up seamlessly between cube and ball and provides a further design option.

Dimensions

Full diamond length x width x height: 500 x 500 x 450 mm Half diamond length x width x height: 500 x 500 x 225 mm

Colours

red/green/black/grey EPDM colours; see page 3 availavle as EPDM glitter version on request

Half heart

The EUROFLEX® Half Heart design element can be used individually as a composite seating element or as a decorative design element in pedestrian zones, shopping centres or parks. Depending on a vertical or horizontal installation, holes are drilled on the underside or on the side. The ground anchors will then enable a safe installation.

Dimensions L x B x H: 850 x 451 x 180 mm Ground anchor for vertical installation: 2x Ø 31.8 mm, length ca. 750 mm Ground anchor for horizontal installation: 2x Ø 31.8 mm, length ca. 300 mm

Colours

EPDM colours: see page 3

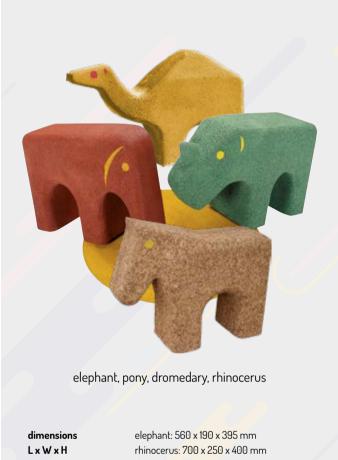






EUROFLEX® animals and mushrooms

Imaginative play equipment or an exciting seating option - They can be used as more than just playthings, and can also be used as little islands in playgrounds and kindergardens.





L x W x		elephant: 500 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
accesso	ries	to be ordered separately: outdoor areas: per animal 2 ground an- chors with adapter (including screw-in bar and adhesive) indoor areas: 1 base plate (including adhesive)

	Ø stam	255 mm
	height stam	200 / 300 / 400 / 500 mm
	colour stam	SBR red
	Ø сар	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)

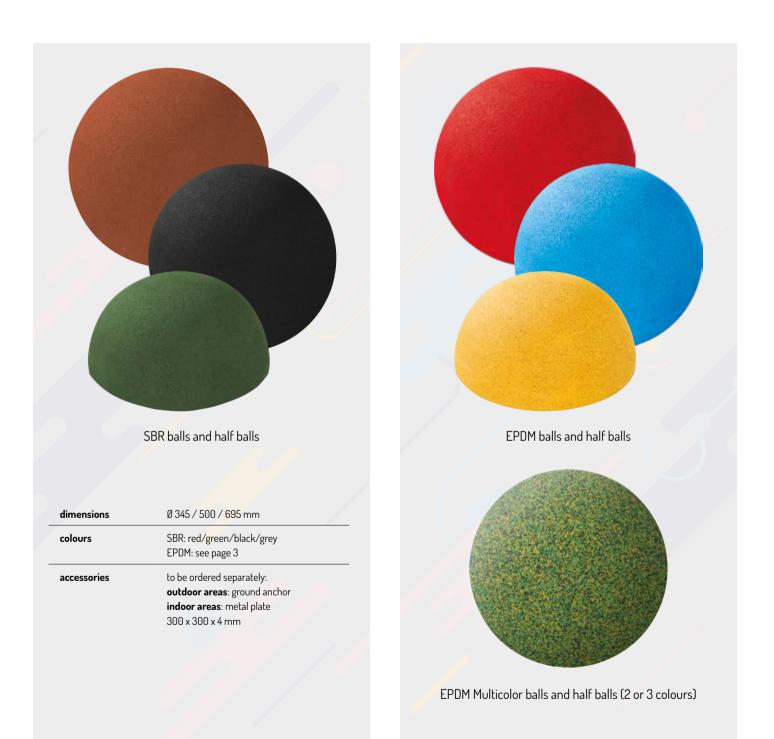






EUROFLEX® balls & half balls

EUROFLEX® balls and half balls are highly successful design components for distinctively remarkable 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.









EUROFLEX® cubes

EUROFLEX® 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.







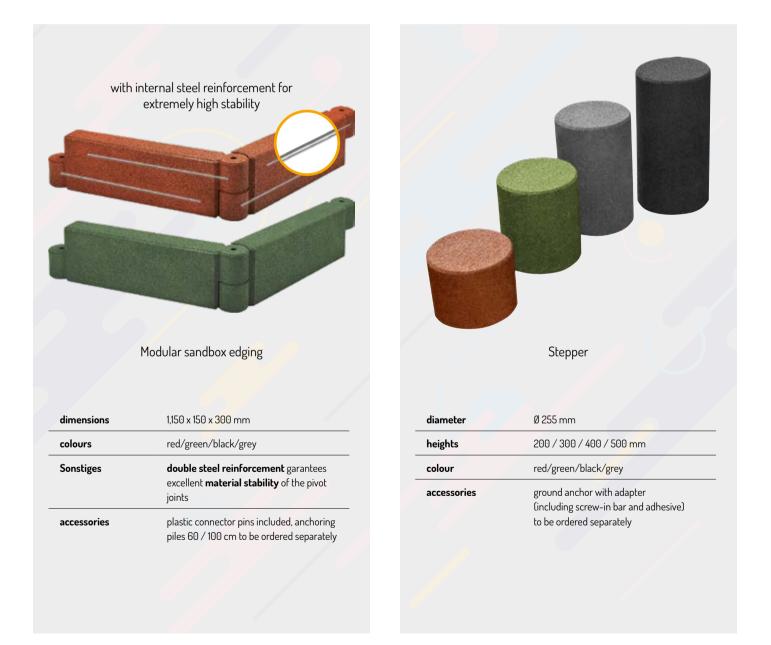




EUROFLEX® modular sandbox edging & Stepper

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 provides stable support and facilitates installation and removal.

















Peripheral components

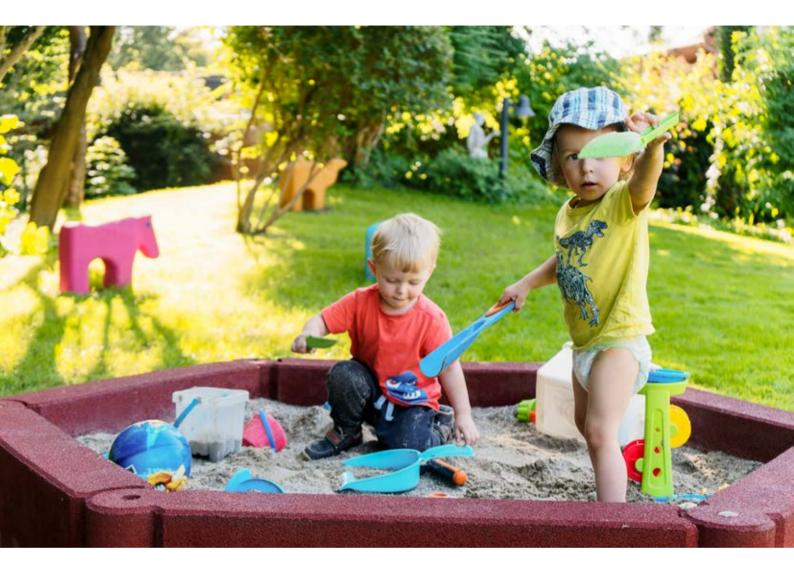
Safety all over - even in the smallest details!

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® 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

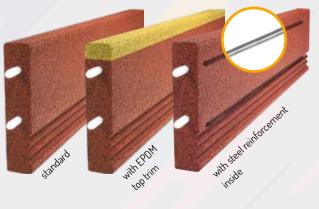
1,000 x 250 x 50 mm

colours

SBR: red/green/black/grey EPDM: see page 3

EUROFLEX® 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

000 x 230 x 30

red/green/black/grey also available with EPDM top trim (see page 3)

EUROFLEX® edge protectors & perimeter panels

EUROFLEX® Edge Protectors provide reliable 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.









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./linear meter



The steel anchor is 2/3 in the rubber palisade. This ensures a particularly high stability.



We turn waste rubber materials into new raw materials and products, making a valuable contribution to waste reduction and the protection of the environment.



We invest in innovative and environmentally friendly production methods and technologies.

Our products are subject to continuous quality testing and further development, whereby environmental concerns are given priority. We are always on the lookout for even more environmentally friendly alternatives that enable us to further reduce emissions and protect resources.

All employees of KRAIBURG Relastec undertake to implement sustainable practices in their daily work and to protect the environment wherever they can.

We expect the same from our suppliers and constantly monitor their performance.

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

KRAIBURG Relastec GmbH & Co. KG Fuchsberger Straße 4 D-29410 Salzwedel

Sales office & marketing

KRAIBURG Relastec GmbH & Co. KG Kehlsteinstraße 2 D-84529 Tittmoning





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

KRAIBURG Relastec GmbH & Co.KG Fuchsberger Straße 4 · D-29410 Salzwedel

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