



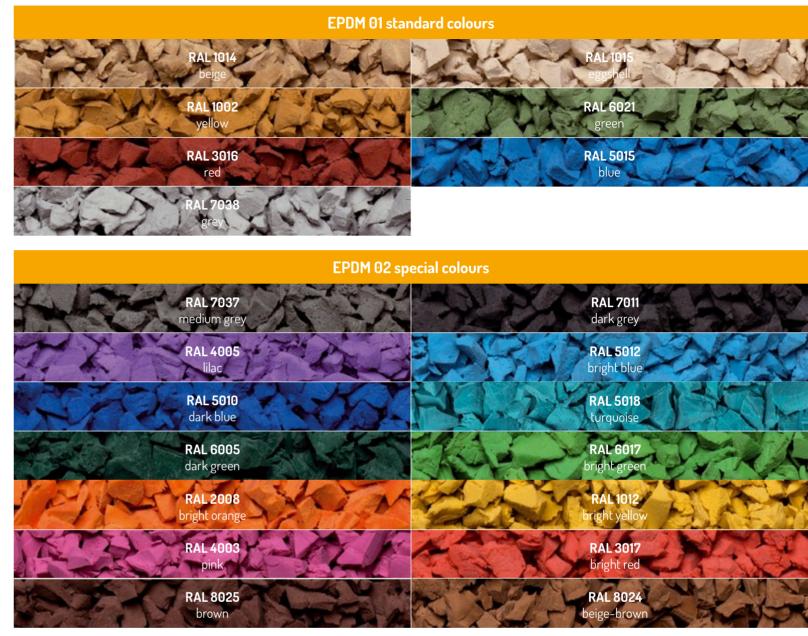
## **IMPACT PROTECTION SLABS & ACCESSORIES** for Playgrounds and Multipurpose Sports Facilities



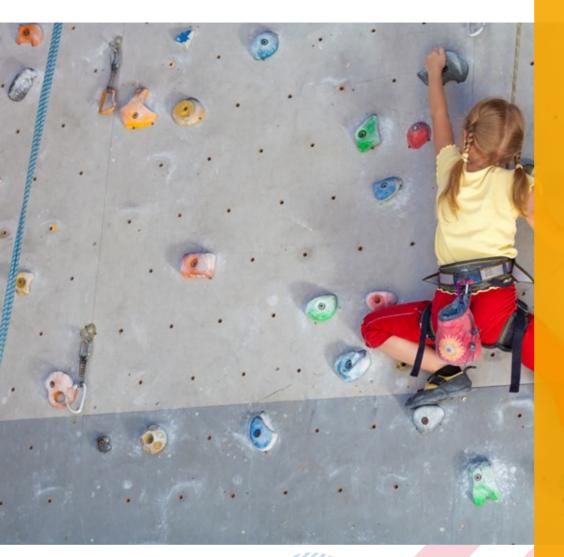
#1/ Jan 2024 Mac

Made in Germany







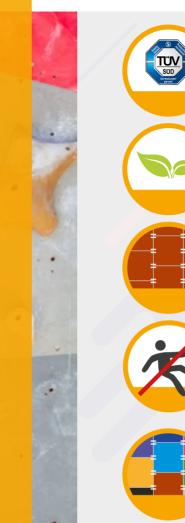


### Tested quality - that is our promise!

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 tested using the HIC method.

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

# -all heights & advantages



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

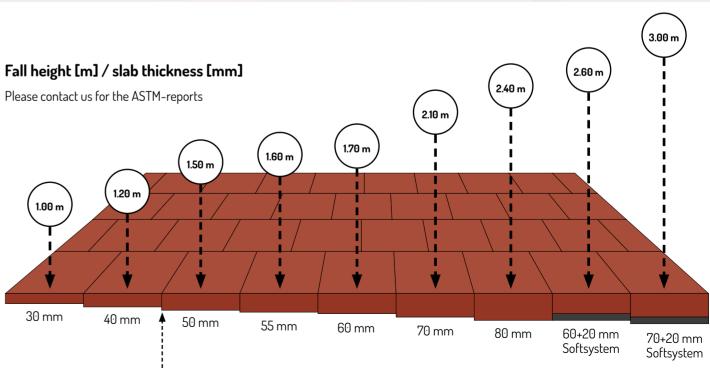
Environment-friendly manufacturing process high recycling rate

Integrated connector pins secure slabs against accidental displacement and theft; time-saving installation

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



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



45 mm available on request



### **Outstanding durability** frost-proof and rot-proof

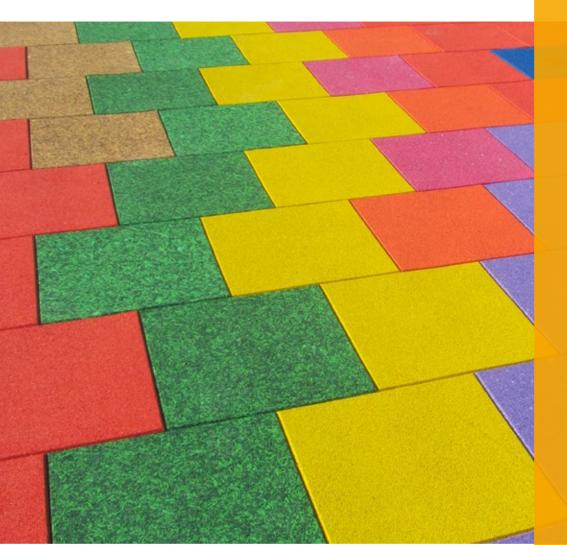
High elasticity for cushioning shocks / falls and for a pleasant walking sensation

Impact sound insulation for a quiet environment

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

### Wide range of peripheral accessories

balls, half balls, cubes, diamonds, stepper, mushrooms, animals



# $\bigcirc$ mpact protection slab

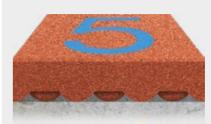


### EUROFLEX® impact protection solutions at a glance



Impact Protection Slab made from recycled rubber granules





recycled rubber granules with numbers, letters & motifs





with EPDM / EPDM Multicolor top coat

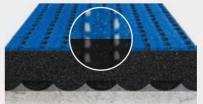


Aqua Impact Protection Slab (with EPDM top coat)





NEW! **EUROFLEX**® Xtreme



Soft Touch (slab with stable, soft grid) With impact protection

### Highest safety performance 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.

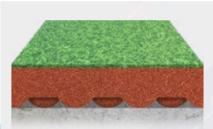
Impact Protection Slab made from





Visual System (individually printed surface + impact protection slab)





Impact Protection Slab with EPDM Mulch top coat





Soft Grip (slab with rough grid) Without impact protection









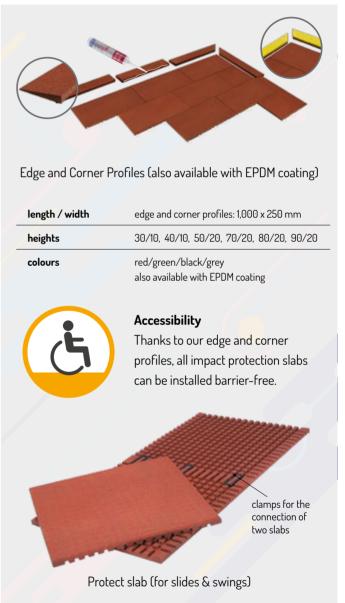
# EUROFLEX® Impact Protection Slabs & edge and corner profiles made of recycled rubber granules

The shock absorption of EUROFLEX® impact protection slabs provides safety without sacrificing reliability and durability. Independent of we ather or extreme temperatures children can always play carefree. 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 tripping. Another important benefit: They allow access with wheelchairs and pushchairs.

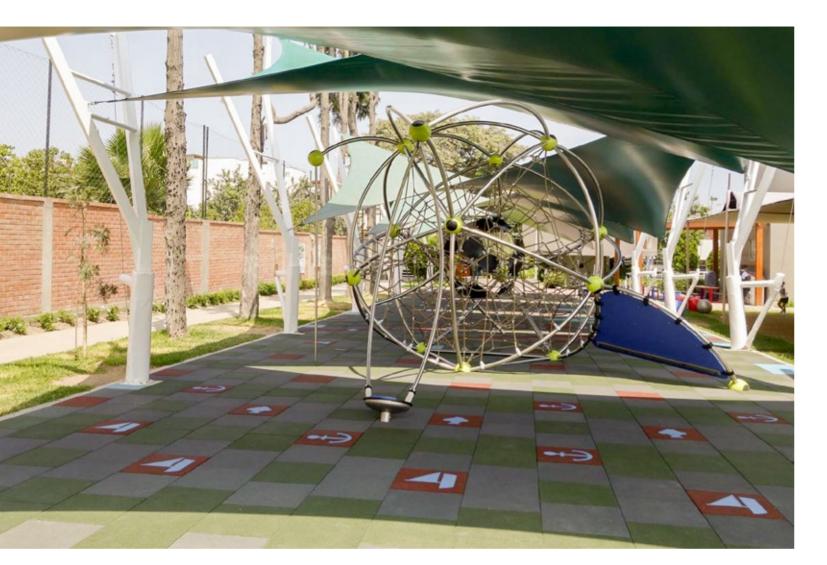


### Impact Protection Slab standard red

length / width	1,000	x 500 mm / 500 x 25 ) x 500 mm (only for ness)	
colours	red/	green/black/grey	
other	pre-	installed connector p	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	40	500 x 500	6.7
1.20	40	500 x 250	3.3
1.20	40	1.0 <mark>00 x 500</mark>	13.3
1.50	50	500 x 500	7.8
1.50	50	500 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
2.40	80	500 x 500	11.8
2.40	80	500 x 250	5.9
2.60	80	Softsystem	9.3
3.00	90	Softsystem	10.5



length / width / height 1,000 x 1,000 x 40 mm		
fall height 1.30 m		
colours	red/green/black/grey	
other	three connectors/clamps are supplied free of charge per slab.	







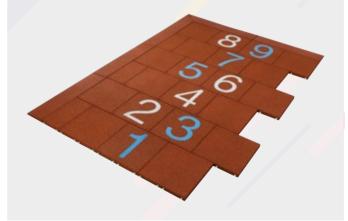
### EUROFLEX® Impact Protection Slabs with letters, numbers and symbols

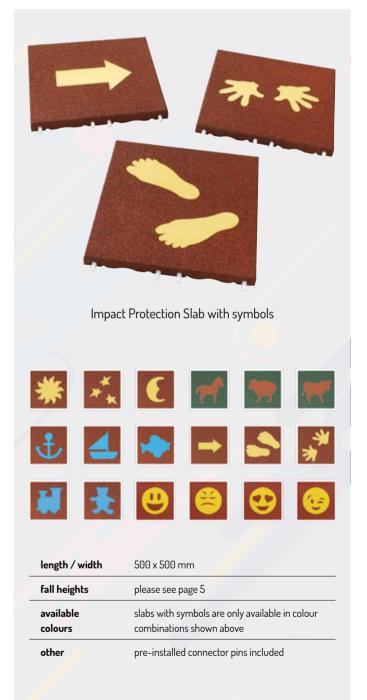
The EUROFLEX® letter and number slabs are ideal for designing playgrounds in schools, kindergardens and day care facilities and provide educational enhancement for all play and sports areas, as well as amusement parks. EUROFLEX® design slabs – alone or in combination with letter and number slabs – provide 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 connector pins included









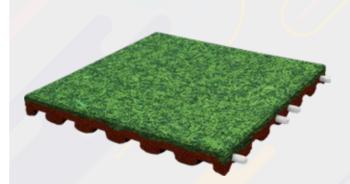
EUROFLEX® EPDM impact protection slabs enable unlimited colour design. They fulfill highest safety performance in accordance to EN 1177:2018, provide personalized colour patterns and stimulate childrens' creativity. The Impact Protection Slabs EPDM are available in all EPDM colours, Mulch is only available in the two colours shown below.



Impact Protection Slab EPDM







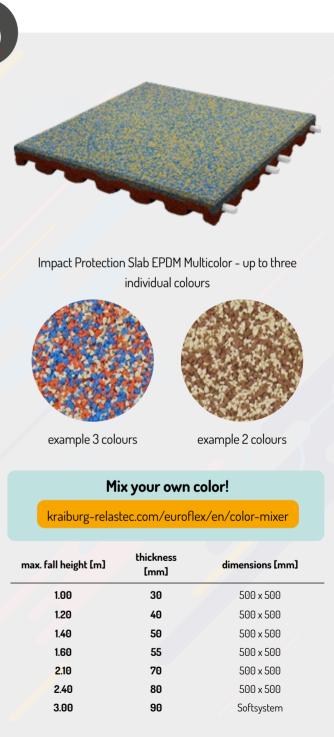
Impact Protection Slab EPDM Mulch - with mulch structure

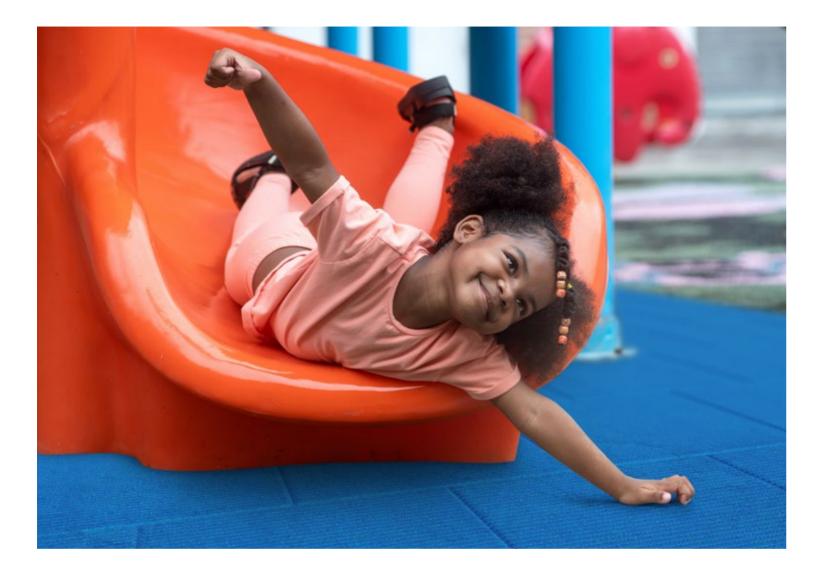




beige-brown

light green - dark green



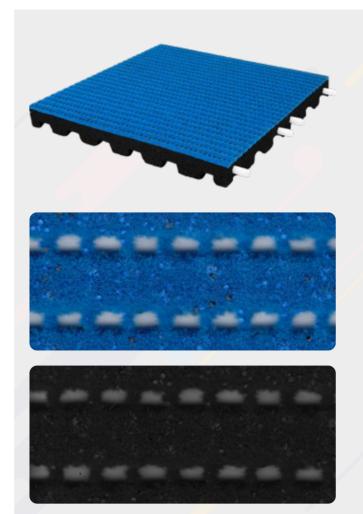






### EUROFLEX® Soft Touch

With EUROFLEX® Soft Touch, a stable, close-meshed grid is pressed into our tried-and-tested impact protection slab made of recycled rubber granulate, which has a smooth, soft surface. Typical areas of use are highly stressed, abrasion-sensitive areas on playgrounds, such as slide runs, swings or roundabouts. The board is also ideal for outdoor fitness, calisthenics or parkour.



max. fall height [m]	thickness [mm]	dimensions [mm]
1.00	30	500 x 500
1.20	40	500 x 500
1.50	50	500 x 500
1.60	55	500 x 500
2.00	70	500 x 500
2.30	80	500 x 500
2.80	90	Softsystem
3.00	100	Softsystem











playgrounds

calisthenics

### parkour swimming pools



EUROFLEX® Xtreme brochure

Do you need more information about Soft Touch and Soft Grip? Please download our brochure.



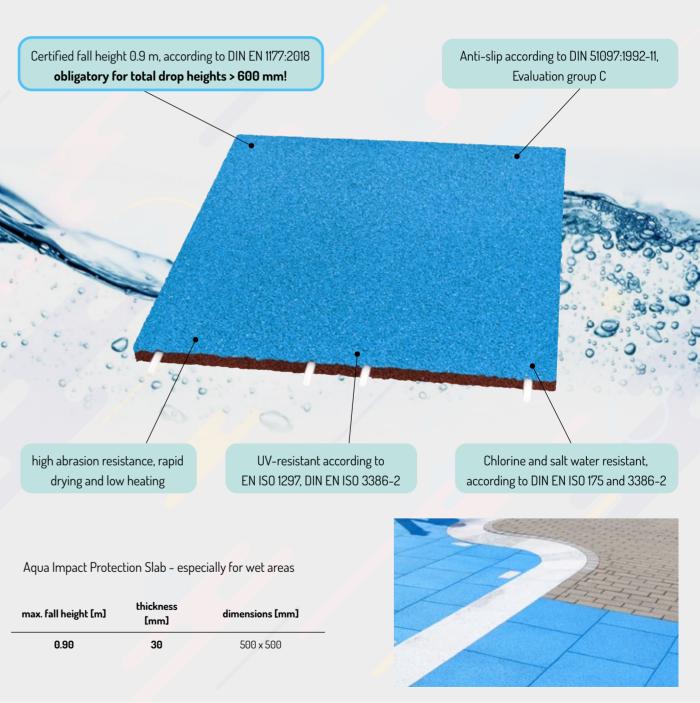






### EUROFLEX® Aqua Impact Protection Slabs

EUROFLEX® aqua impact protection slabs are suitable as shock-absorbing surface cover for water playgrounds and spray parks. These slabs combine the safety aspect with all the EPDM options shown on page 13. It meets the standard DIN EN 1177, which mandates 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).



max. fall height [m]	thickness [mm]	dimensions [mm]
0.90	30	500 x 500













Individual painting of fall protection slabs Our impact protection slabs can be painted with 2 K polyurethane paint with paint rollers! Further details are available on request. 11-1-





### The best of both worlds

EUROFLEX® impact protection slabs have been proving their worth 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!



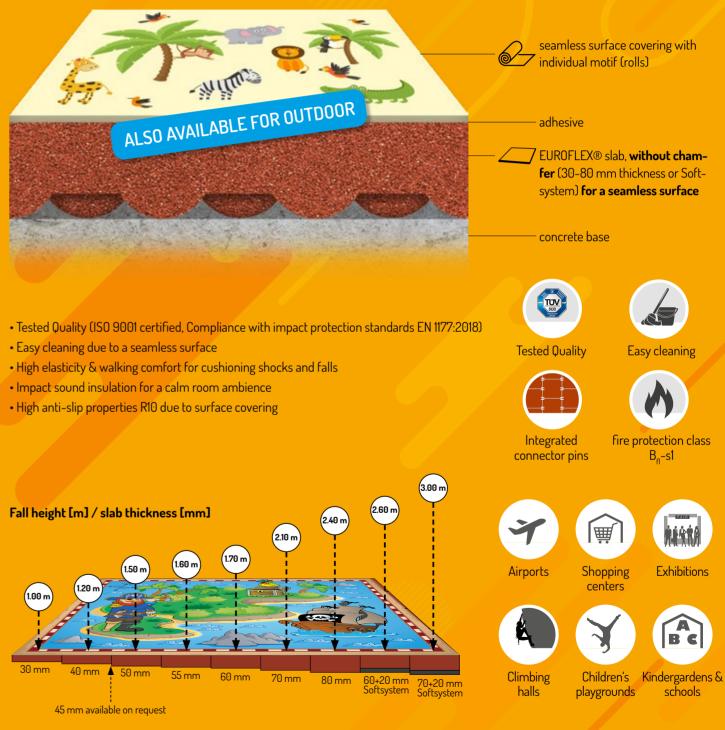
More information in our Visual System brochure

# surface nfort) with individually printed **/isual Syste**





- Easy cleaning due to a seamless surface
- Impact sound insulation for a calm room ambience



## EUROFLEX® Visual System (in-/outdoor)

Printed surface with impact protection slabs



Saint Etienne, France (Concept and realisation by Pro Urba, photographer: Philippe Turpin)



StadtPalais Stuttgart, Germany



Centre Manor Chavannes, Geneva, Switzerland (concept and realisation by Pro Urba)



Kansas City Airport, USA



Hotel Grünauerhof, Salzburg, Austria



Staller Ferienhof, Seeon-Seebruck, Germany



Children's Centre Bielefeld, Germany Design: Courtesy of Samuelis Baumgarte Art Consulting for the Bethel Children's Centre / Photographer: Thomas Starke



seamless surface covering with individual motif (rolls)

adhesive

elastic ir (rolls) elastic layer (4 mm)

> adhesive concrete base



### 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.

# Surfacing systems

### EUROFLEX® Sports Pavement Slabs

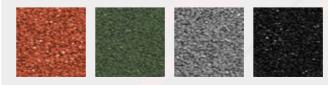
EUROFLEX® sports pavement slabs are highly compacted in manufacturing, giving them excellent abrasion resistance and outstanding ball rebound properties in accordance with DIN 18032 Part 2. Their high elasticity provides cushioning for players' ligaments and joints. The product is tested according to DIN EN 14877:2013 (European standard for plastic surfaces on outdoor sports facilities).



dimensions	500 x 500 x 30 mm (99 <mark>%</mark> ball reflexion) 500 x 500 x 40 mm (101% ball reflexion) 1,000 x 500 x 40 mm (101% ball reflexion)	
colours	red/green/black/grey	
sound deadening	23 dba	
fall height	30 mm <mark>: 0.9</mark> 0 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. The elastic plaster is tested for "high stress".





# Playground accessories



### Make every playground an experience!

Whether in schools and kindergartens, amusement parks, sports facilities or playgrounds: EUROFLEX® accessories turn every play area into an experience. They offer children space for creativity and imagination and provide a wide range of play and movement options. These accessories are not only enhancing your play space with individual and colourful design options but also compliment the EUROFLEX® impact protection slabs. Rubber as a material ensures a pleasant seat, dries quickly, is weather-resistant and soft.







High resistance against frost and weathering



**Clear, natural design** Attractive, simple, stable shapes

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

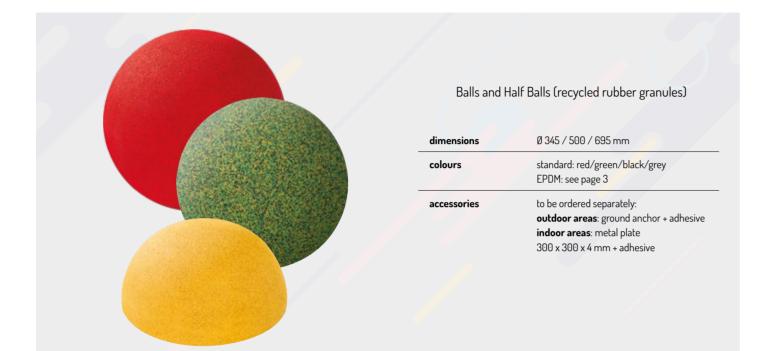


Many design options numerous standard and EPDM colors, multicolor, motifs, letters, numbers



### EUROFLEX® Balls & Half Balls

EUROFLEX® Balls and Half Balls are highly successful design components for distinctively remarkable playgrounds. They are suitable for playgrounds, as well as seating or border elements in pedestrian areas. They are also perfect as climbing and balancing elements.















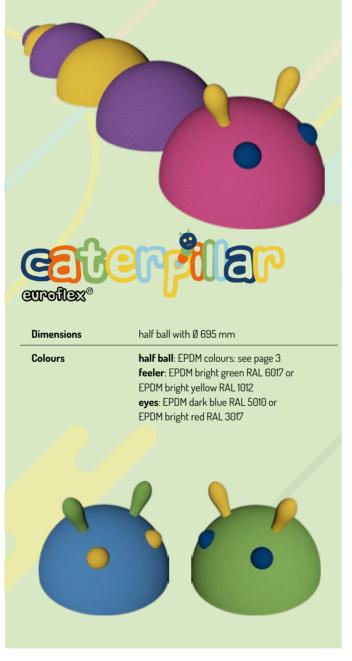


ball EPDM multicolor (2 or 3 colours)



### Caterpillar Head

The EUROFLEX® caterpillar head is a design element that can be used to combine half balls and balls to form a caterpillar. This element in combination with EUROFLEX® half balls and balls offer children seating accommodations and play opportunities. It can be extended by any number and size of EUROFLEX® balls or half balls. The eyes are already glued on, the feelers must be glued on after delivery. 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 provides another geometric design feature that compliments the EURO-FLEX® cubes, balls and half balls.

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



### EUROFLEX® animals and mushrooms

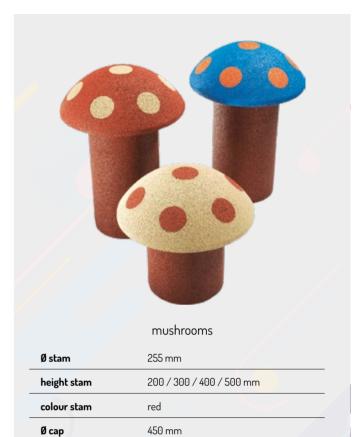
Imaginative play equipment or exciting seating options. They can be used for more than just play things but can be used also as little islands in playgrounds and kindergardens.



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	EPDM: see page 3
accessories	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)





•	
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)







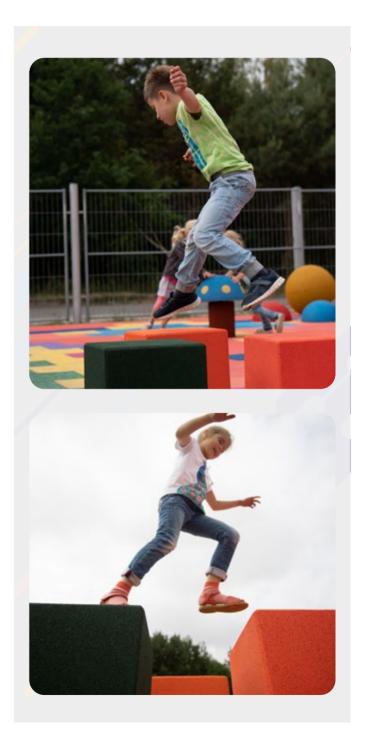


### EUROFLEX® Cubes

EUROFLEX® cubes are highly successful design components for distinctively noticeable playgrounds. They are suitable for playgrounds, as well as seating or border elements in pedestrian areas. They are also perfect as climbing and balancing elements.



dimensions	400 x 400 x 400 mm
colours	standard: red/green/black/grey EPDM: see page 3
other	The cubes can be ordered with 4 ground anchors or without integrated ground anchor







Playing in a sandbox is one of children's favourite activities. 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 (opposed to slippery and hard wooden or concrete sandbox edges). The use of separate retaining wall elements allows for a high degree of / design freedom regarding the shape and access for sand replacement machinery.

Steppers are balancing elements with 4 different heights for fitness and play areas. They promote balance and co-ordination skills in a playful way. The easy-to-install base socket provides stable support and facilitates installation and removal.



Modular Sandbox Edging

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









# 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 cover hard concrete edges. Border elements can also be combined with balancing elements.

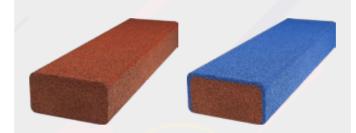






### EUROFLEX® Step Blocks

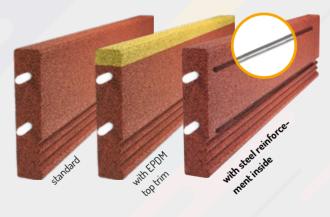
- edging of jumping pits and playgrounds
- boards and peripheral enclosures around sports surfaces
- stairways, e.g. for downhill slopes or slides
- spectator standing or seating areas
- customized seating arrangements



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	standard: 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

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 injuries that could be caused by impact on unprotected trampoline edges.



dimensions

colours

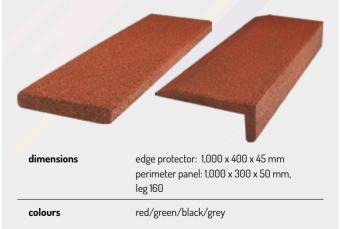
1,000 x 250 x 50 mm

standard: red/green/black/grey EPDM: 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 concrete areas can be covered



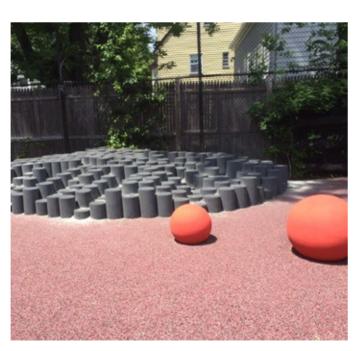


### EUROFLEX® Rubber Palisade

- 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 extends 2/3 into the rubber palisade. This ensures extremely high stability.



# SUSTAINABILITY

Corporate Carbon Footprint, Product Carbon Footprint, at KRAIBURG Relastec





### Equal opportunities

We stand for equal opportunity, diversity, inclusion and



### Social responsibility

### Respect



Recycling of up to

60.000 t material

Every year, we process and recycle

up to 60,000 tons of old tyres, closed-cell rubber and rubber

production scrap.

### Product **Carbon Footprint**

The PCF is calculated in accordance with ISO 14067 and ISO 14040/44 audited.



### **Reduction of** CO<sub>2</sub> emissions

By using recycled rubber granulate, we save more than 130,000 tonnes of CO<sub>2</sub> emissions per year compared to



Corporate **Carbon Footprint** 

The CCF was developed in accordance with the Greenhouse Gas Protocol audited.

### ecovadis

### Voluntary rating

The ecovadis rating is an evaluation of companies with regard to CSR topics. This includes ethical aspects, sustainable procurement, the environment and ecological



### **Economic sustainability**

As a family business, KRAIBURG Holding pursues a long-term strategy. Profits generated are used to a significant extent to make our holistic business model ever more efficient and future-proof.

**Energy management** according to ISO 50001

Our energy management system is identified according to ISO 50001. Energy-relevant topics are taken into account in all processes of the organisation.

### NEW LIFE

### Member of NEW LIFE initiative

The declared aim of NEW LIFE is to demonstrate the advantages of recycled products from End-of-Life Tires (ELT) to the media, politicians and the general public and to motivate them to act sustainably. More information: www.initiative-new-life.de/en





### Social sustainability

Acting in accordance with our values such as equal opportunities, social responsibility, respectful treatment and transparency are the foundations for social

## Product quality



We do not hide behind support hotlines and contact

forms. With us, you have personal, competent contact

Personal contact persons

### Innovation and product design 29

We continuously develop new products according to the requirements of our customers and the market.

# CORPORATE CULTURE

Defined values, social norms and guidelines, for common



Strong decision-making powers



Responsible for our actions



Transparency

# WHAT SETS US APART



### Internationality

With an export quota of over 50%, we have already exported our products to over 100 countries.



Easy complaint management Transparent and optimised processes ensure rapid processing.



Flexibility with customer requirements We offer our partners customised options for packaging, labelling and delivery, packaging, labelling and delivery.



### Long-term relationships We maintain long-term relationships with our customers and suppliers based on mutual respect and fairness.



### Marketing support

We provide you with the best possible support in the form of images or in the design of your documents.





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

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