

EUROFLEX®

IMPACT PROTECTION SLABS

High-Level quality for
our childrens` safety

No playground should be
without them...



Save the Children was established in 1919 and is the world's leading independent organization for children and has led global action on children's rights for more than 90 years.

Save the Children works in over 120 countries and provides children with the necessities for a healthy and successful start to their life – nutrition, early childhood and adolescent development, education and school health. We would be pleased if you would support together with us Save the Children.



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20 YEARS EXPERIENCE WITH PROTECTION SLABS



KRAIBURG RELASTEC impact protection slabs provide outstanding absorption of impact shock and protect against serious head bumps and play to their hearts' content. Protection from serious and potentially permanent injuries in these surroundings is extremely important. The shock absorption of EUROFLEX® Impact Protection Slabs provides safety without sacrificing problemfree use and durability. Unharmed by weathering and extreme temperatures, they let children play without a care - day in and day out. Our impact protection slabs are constantly being developed and improved. And all of this since 20 years now.

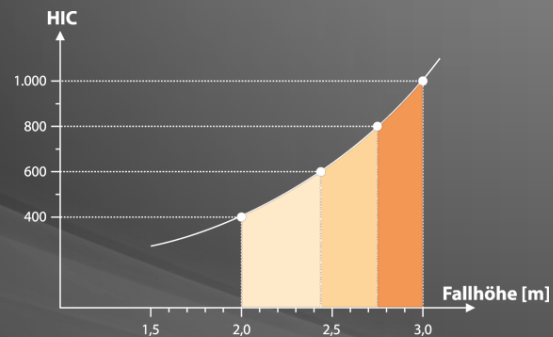


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SHOCK ABSORPTION TESTING EN 1177:2008

The European standard EN 1177:2008 defines requirements and test procedures for shock-absorbent surfacing systems. These regulations specify use of shock-absorbent surfaces when expected fall heights exceed 60 cm.



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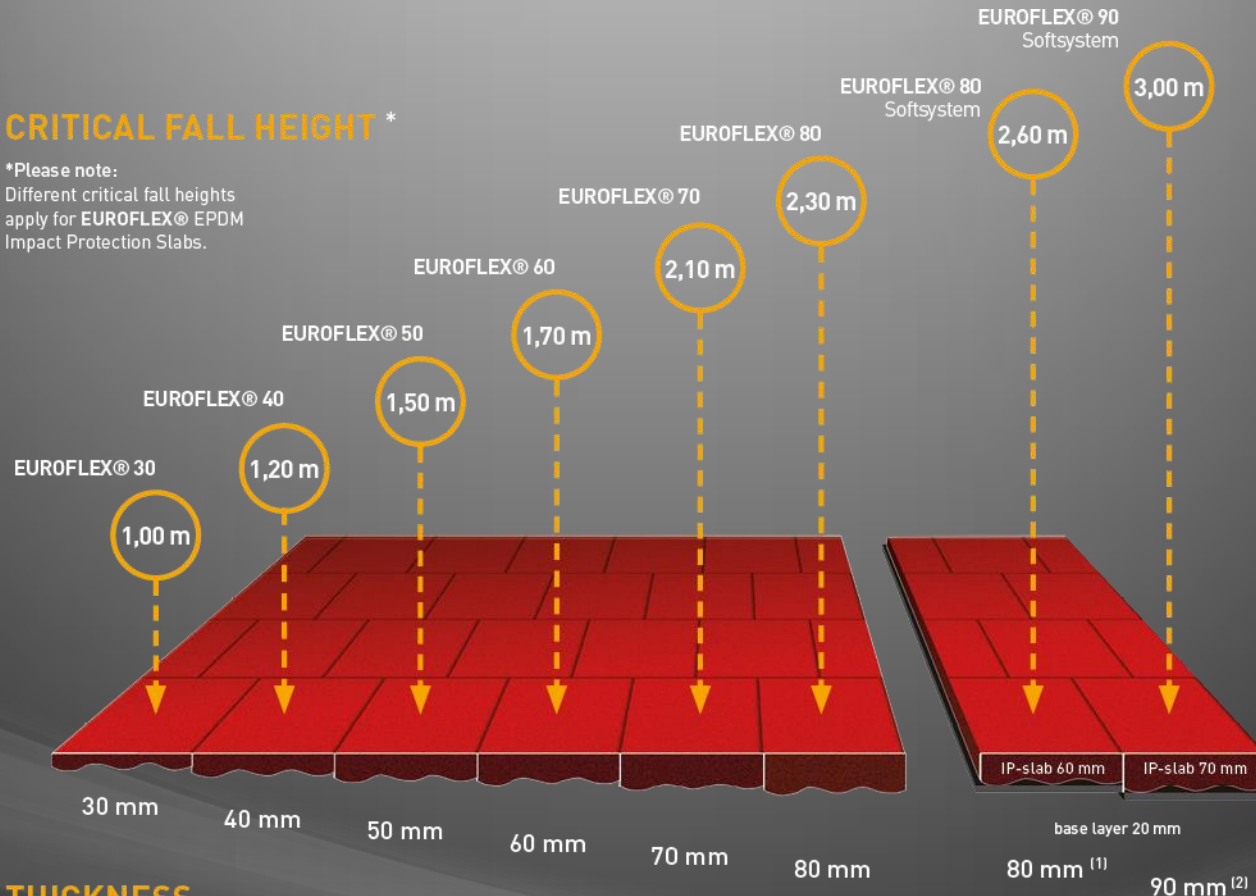
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CRITICAL FALL HEIGHTS & SHOCK-ABSORBENT PRODUCTS



CRITICAL FALL HEIGHT *

*Please note:
Different critical fall heights
apply for EUROFLEX® EPDM
Impact Protection Slabs.



THICKNESS



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CONSISTENT QUALITY & TRACEABILITY – TILE MARKING



Each part of a product has to be in the right place at the right time, in the required quantity and quality. In order to guarantee the quality level, all our products are tagged with a tile marking code. This enables us to track back our quality assurance standards through every single step and location in the supply chain. It is thus possible to carry out process optimisations or upset analyses very rapidly and easily.



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- FIVE REASONS FOR EUROFLEX



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IMPACT PROTECTION SLABS APPLICATIONS



Playgrounds



Sidewalks



Nursing establishments



Leisure facilities



Schools



Nursery schools



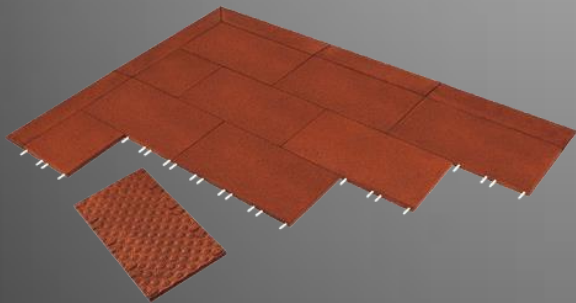
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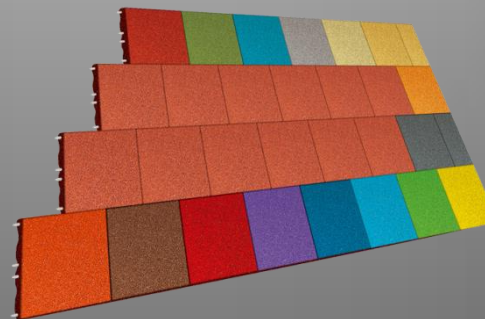
IMPACT PROTECTION SLABS PRODUCT OVERVIEW



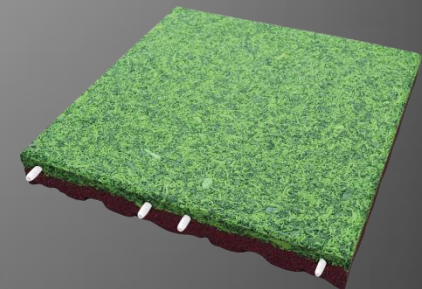
EUROFLEX®
Impact Protection Slab



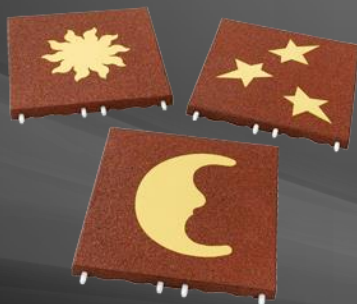
EUROFLEX®
Impact Protection Slab EPDM



EUROFLEX®
Impact Protection Slab EPDM Mulch



EUROFLEX®
Impact Protection Slab Design



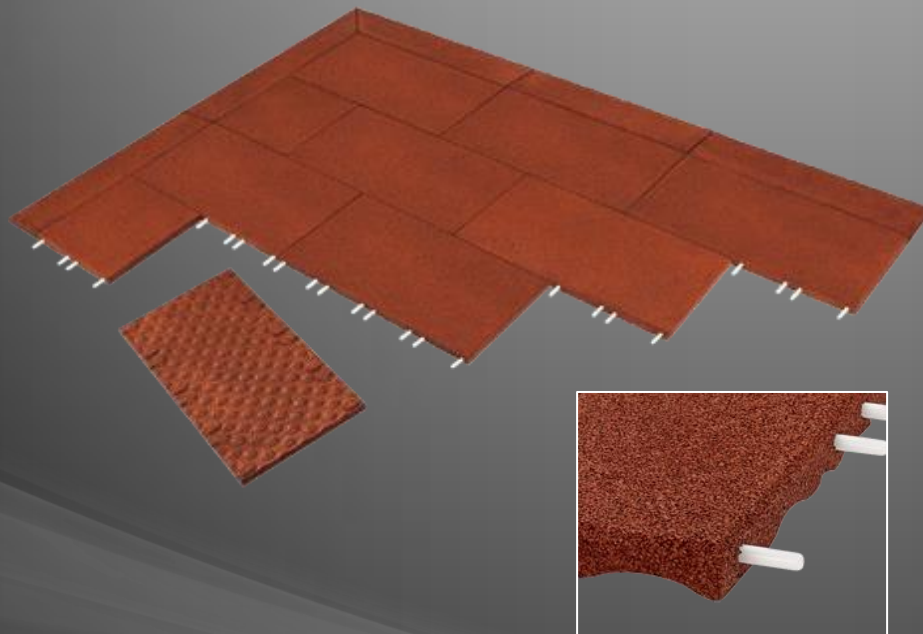
EUROFLEX®
Impact Protection Slabs Numbers & Letters



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EUROFLEX[®] IMPACT PROTECTION SLABS



Material:

rubber granulate with
polyurethane binding agent

Available colours:

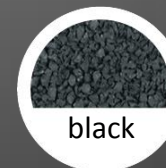
Standard colours



red



green



black



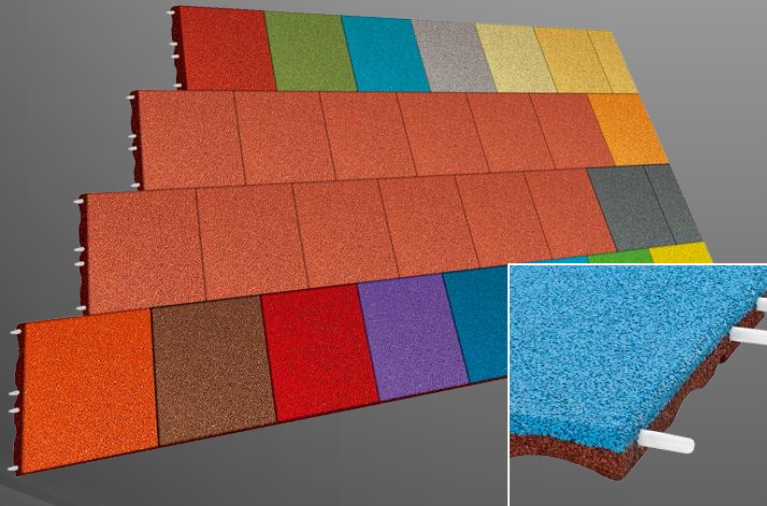
grey



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EUROFLEX® EPDM IMPACT PROTECTION SLABS



Material of base slab:

rubber granulate with
polyurethane binding agent

Surfacing material:

EPDM rubber with PU
binding agent

EPDM Standard colours:

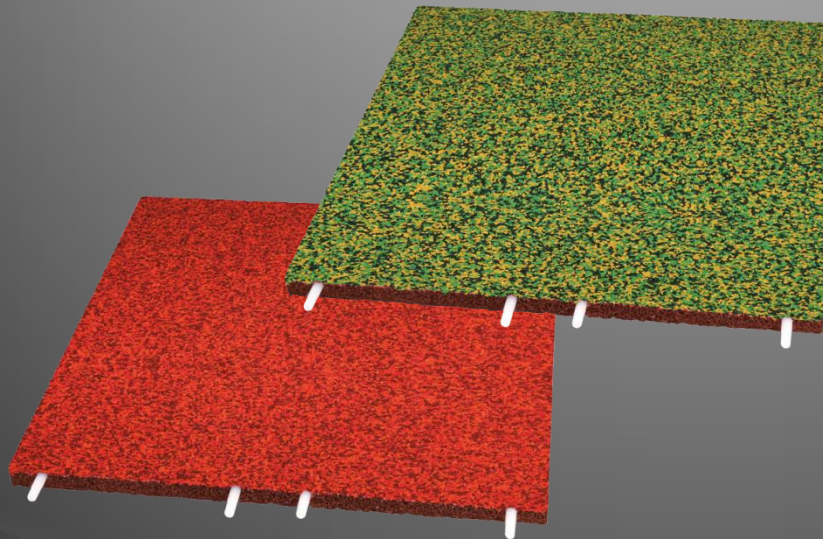


EPDM Special colours:



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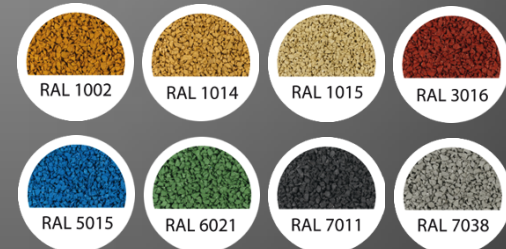
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Material base slab: recycled rubber granulate with PU binding agent

Material surface: mixed EPDM rubber granules (2 or 3 colours) with PU binding agent

EPDM Standardfarben:



EPDM Sonderfarben
















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EUROFLEX® Color Mixer

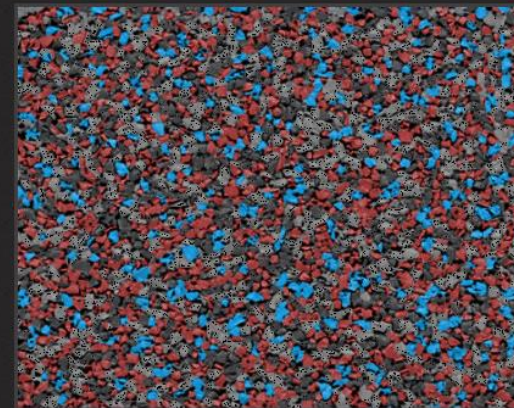
In this section you can compose your personal color mix.
Select the colors you would like to use, have a look at the preview
and decide whether you like the mix or not.

Please select up to max. 3 colors:

white  - 0% +	eggshell  - 0% +	beige  - 0% +	total 75% Reset
beige brown  - 0% +	brown  - 0% +		
bright green  - 0% +	green  - 0% +	dark green  - 0% +	
bright yellow  - 0% +	yellow  - 0% +	bright orange  - 0% +	
bright red  - 0% +	red  - 35% +	pink  - 0% +	
bright blue  - 15% +	blue  - 0% +	dark blue  - 0% +	lilac  - 0% +
grey  - 0% +	middle grey  - 0% +	dark grey  - 25% +	black  - 0% +

Your colour sample:

red 35%	bright blue 15%	dark grey 25%
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zoom

normal view

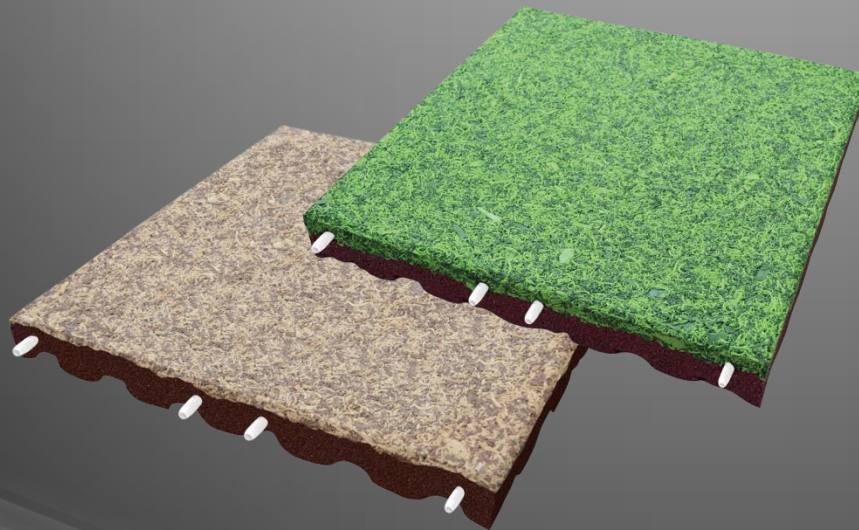
export to PDF



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EUROFLEX® Impact Protection Slab EPDM Mulch



Material of base slab:

Recycled rubber granulate with binding agent

Material surface:

Full coloured EPDM Mulch

EPDM colour mixes:



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Material base slab: recycled rubber granulate with PU binding agent

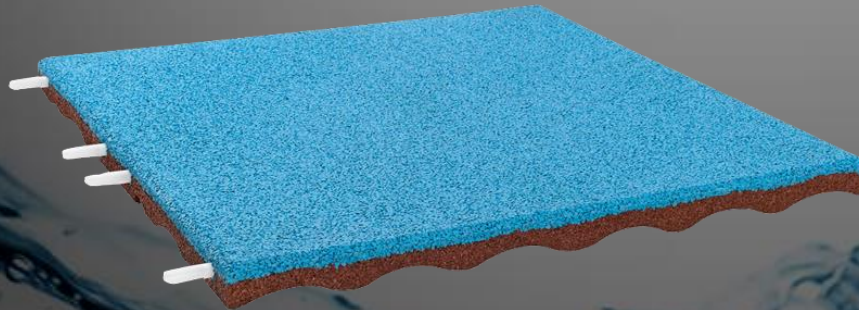
Material surface: EPDM rubber

Binding agent: coloured PU binding agent

Colours:

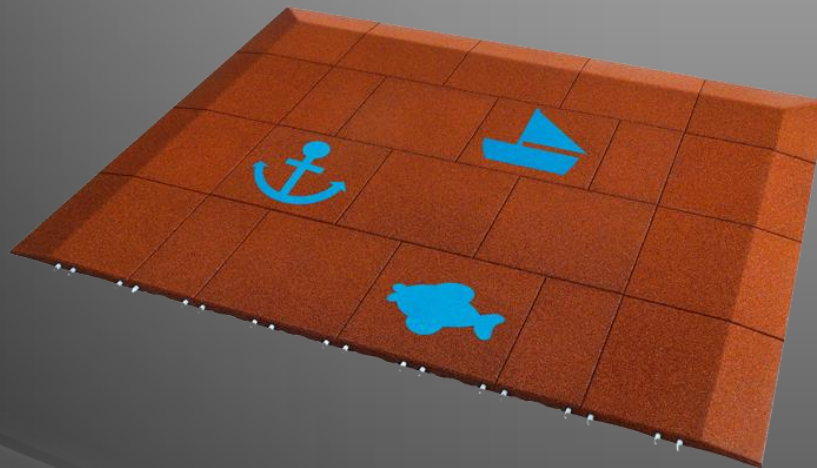
base slab: red

surface: according to
EPDM colour range



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Material slabs: rubber granulate with polyurethane binding agent

Colours: red, green

Material surface designs:
100% EPDM virgin rubber

Colours surface designs:
red, only with green slabs

Colours surface designs:
yellow, blue and green
only with red slabs

Available surface designs:



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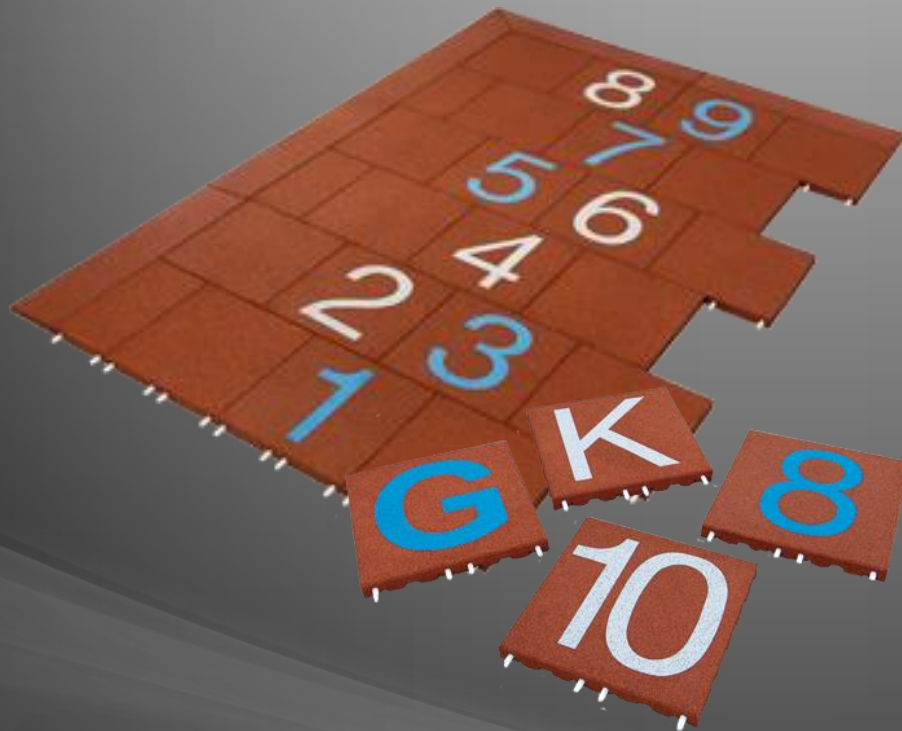
You want something very special? No problem! With EUROFLEX® there are no limits on your creativity. Create your application to your own taste. Principally all forms are possible.



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EUROFLEX® LETTER & NUMBER SLABS



Material slabs: rubber granulate with polyurethane binding agent

Colours: red, green, black, grey

Material numbers/letters:

Mix approx.

80% EPDM + 20% black rubber

Colours: red, grey, blue



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< Rückgängig
> Wiederholen

Zurücksetzen

Plattenstärke:
30 mm

Grundform der Fläche

Breite (m) Höhe (m)
10 10 Größe ändern

Pinset zurücksetzen:

Platte Löschen:

Farbe der Platte(n)

Ausgangsfarbe für alle Platten auf der Fläche

Standardfarben

EPDMfarben

Motivplatten, Zahlen- und Buchstabenplatten

Motivplatten

Zoom + - Drehen Speichern Laden Neue Zeichnung als PDF exportieren Preisanfrage



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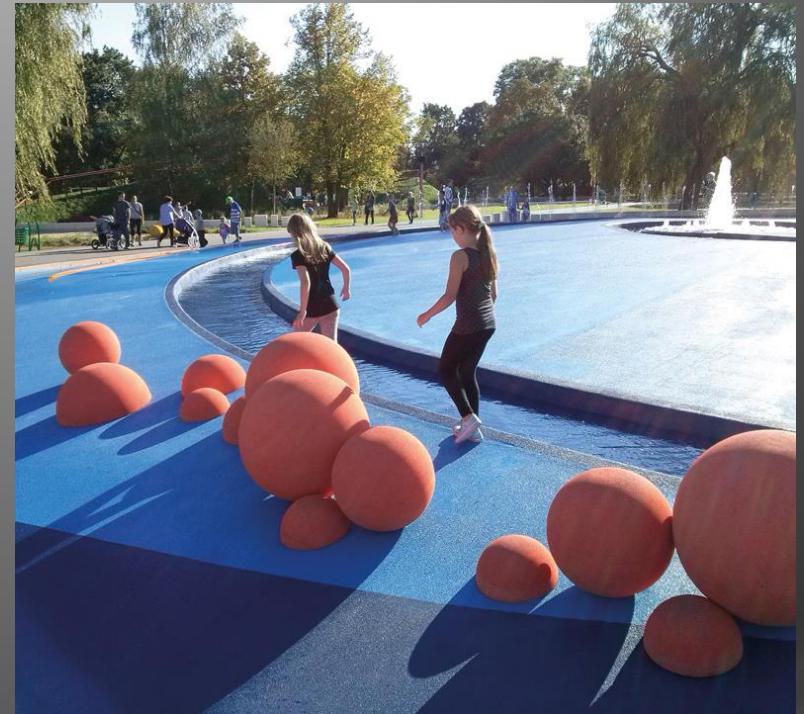


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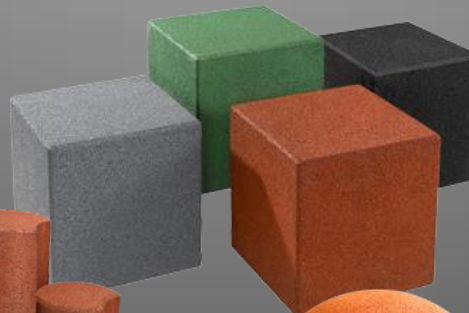
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As a supplement to our high-quality impact protection slabs we have extended our product range by a large number of accessories. These parts are especially developed in accordance to our slabs and offer the same outstanding quality level. Here are some examples:

Mushrooms



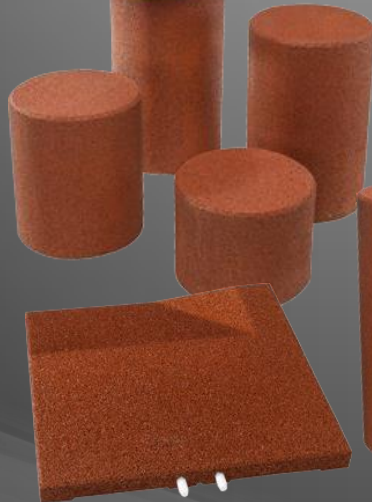
Cubes



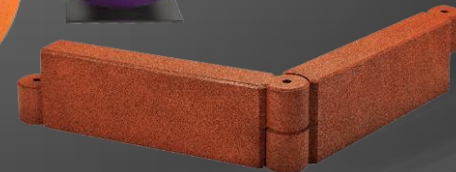
Elephant, Rhino
and Dromedary



Stepper



Modular
Sandbox edging

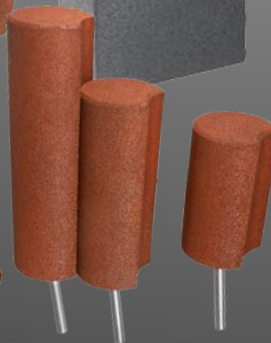


Rand- und Randeckplatten
und -profile



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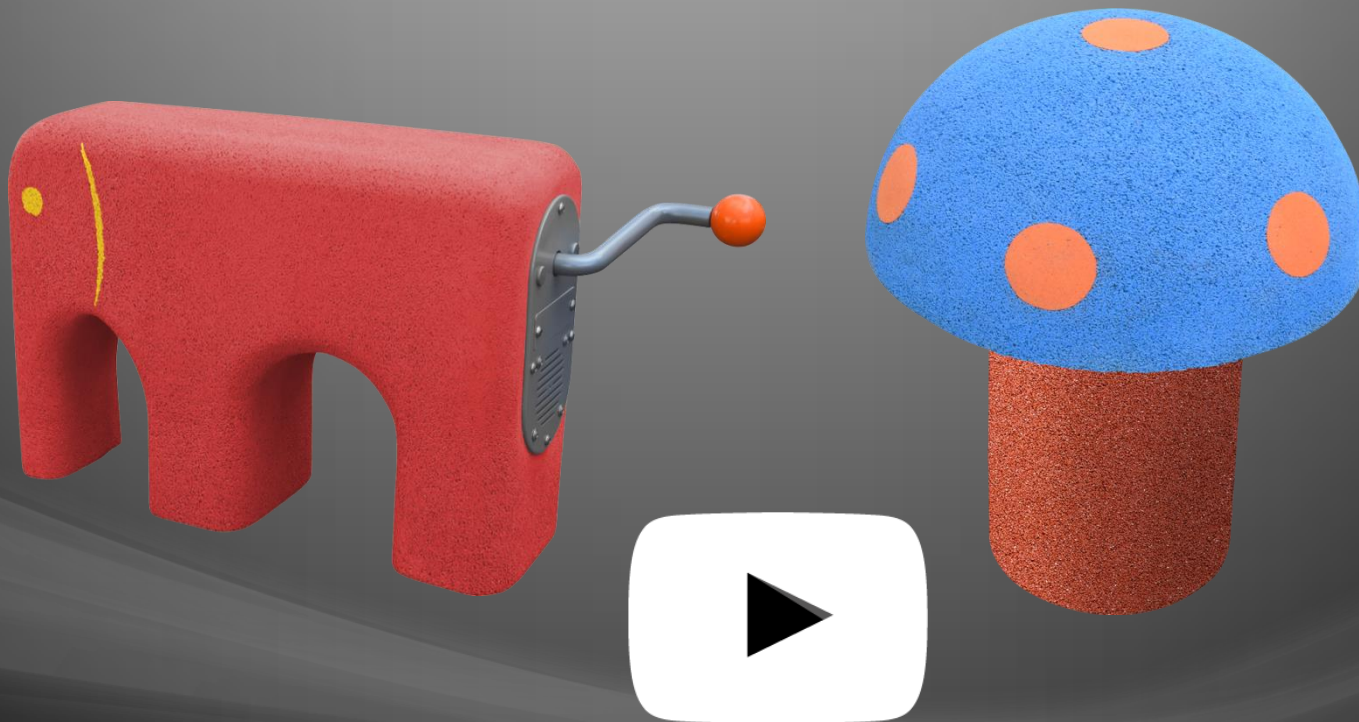
Rubber
palisades



Balls



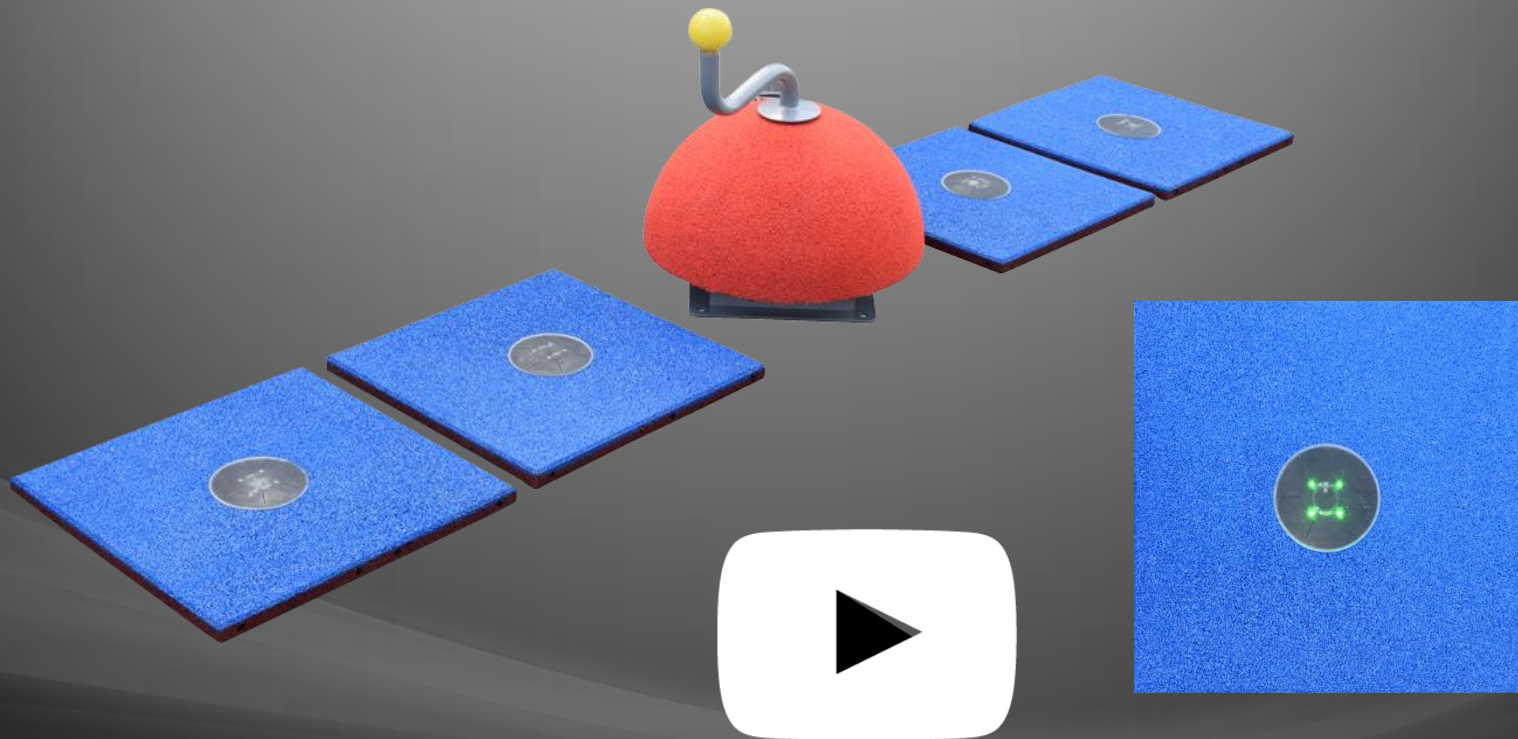
An upgrade of the EUROFLEX® animal collection and mushroom with integrated technology. Individual MP3 audio files can be played by turning the animal's tail or the mushroom's cap **without an external power supply**.



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The set contains 4 or 8 illuminating and shock sensitive rubber tiles. Power is generated by turning the crank of the hemisphere. After powering a rubber tile will illuminate. When the player kicks this tile another one will illuminate and so on.



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**UNPLEASANT
SURPRISES**
when installing
low quality products



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HIGH QUALITY SURFACE & LOW QUALITY BOTTOM

ADVANTAGE: Low costs because of low material prices

POSSIBLE LONG-TERM DAMAGES:

- above average shrinkage
- corners will bending-up
- ribs and rips occur on the surface
- reduction in bounce by material hardening (reduced safety effect)

High quality dense surface
(mainly shredded granules)

Low quality loose bottom



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INFERIOR SLABS WITH POORLY FINISHED OR NO PINS



Slabs will slipping after a short period of use. This increases the danger of accidents!



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INFERIOR SLABS WITH POORLY FINISHED OR NO PINS



Slabs will crumble after a short period of use. This increases the danger of accidents!



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INFERIOR SLABS AND COLOUR FADING

On the pictures you see the courtyard of a school which was covered with cheap impact protection slabs. 6 month after installation the slabs were bleached out of colours exposed to the action of light.

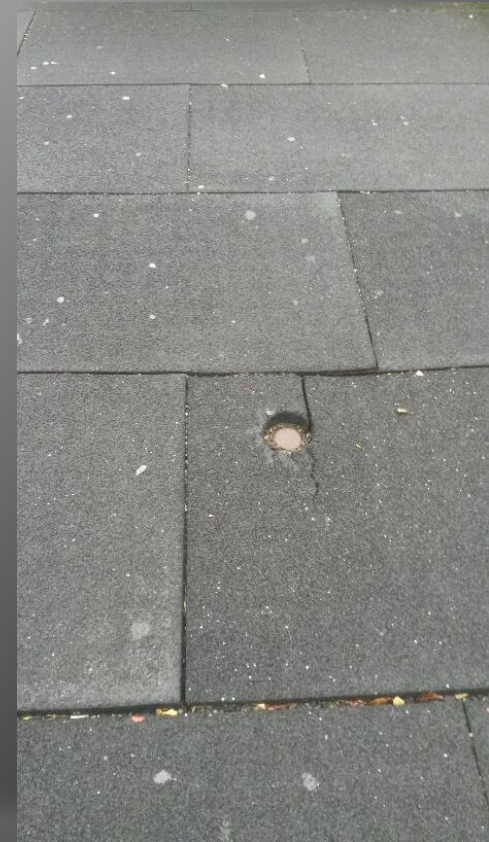


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STRONG ABRASION AND GAP CREATION

Because of the strong abrasion and the creation of gaps on the sides there's a higher risk of stumbling for playing children. The necessary protection can not be guaranteed any more.



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IMPACT PROTECTION SLABS COMPARED WITH SEAMLESS SURFACES

(seamless surfaces = INSITU)



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INSITU LOOKS GREAT AFTER INSTALLATION



Really nice designs can be carried out.



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BUT THERE ARE A LOT OF THINGS TO BE CONSIDERED

- time-consuming and difficult installation
- date of installation depends on good weather conditions
- subfloor must be well prepared before installation
- suitable materials must be found and used



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AND AFTER A TIME OF USAGE DAMAGES ARE POSSIBLE



Strong abrasion



Destruction of the EPDM surface in problem areas (e.g. under slides or swings)



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AND AFTER A TIME OF USAGE DAMAGES ARE POSSIBLE



Rips are created between areas of different colours



Extremely high wear after years of usage



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REPAIR WORK IS DIFFICULT AND LOOKS VERY BAD



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NOT SO WITH *EUROFLEX*® IMPACT PROTECTION SLABS



- easy and fast to install
- easy and fast to reinstall
- installation can be done on all weather conditions
- subfloor is easy to prepare
- materials are delivered ready to install
- looks great even after years of usage



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EUROFLEX® CONSTANTLY AT YOUR DISPOSAL



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THANK YOU! FOR YOUR ATTENTION



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