

For Our Childrens' Safety



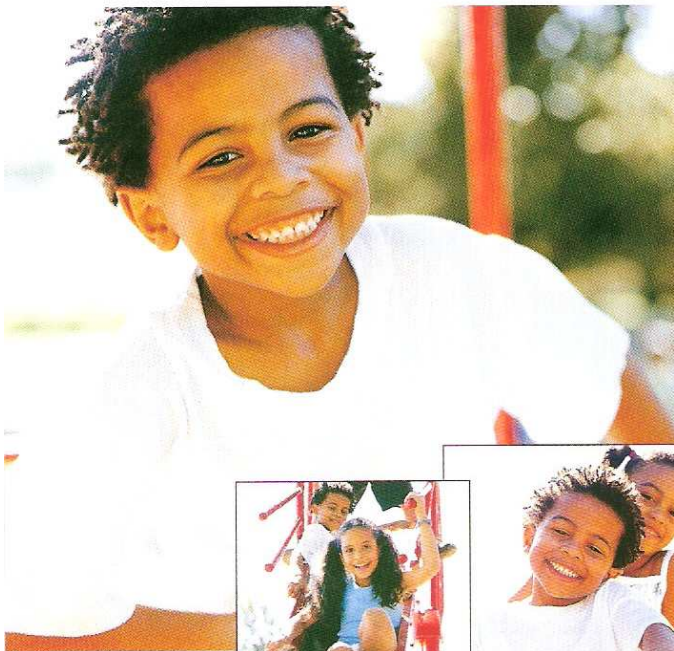
IMPACT PROTECTION

Shock-Absorbent Surfacing Systems for
Playgrounds and Multipurpose Sports Facilities



Impact Protection Slabs
Peripheral Components & Accessories

EUROFLEX®



1. Outstanding – The Technical Data

A. EUROFLEX® Impact Protection Slabs/Basic Version

Colours: red⁽¹⁾, green⁽¹⁾, black⁽¹⁾, grey⁽¹⁾

Dimensions [mm] ⁽²⁾	Weight [kg / unit]	Max. Fall Height [m]
500 x 500 x 30 ⁽³⁾	approx. 5,2	1,00
500 x 500 x 40 ⁽³⁾	approx. 6,5	1,20
1.000 x 500 x 40 ⁽³⁾	approx. 13,0	1,20
500 x 500 x 50 ⁽³⁾	approx. 7,5	1,50
1.000 x 500 x 50 ⁽³⁾	approx. 15,0	1,50
500 x 500 x 55 ⁽³⁾	approx. 8,4	1,75
500 x 500 x 70 ⁽³⁾	approx. 10,4	2,10
500 x 500 x 80 ⁽³⁾	approx. 12,0	2,40
Sandwich System ⁽⁴⁾	approx. 18,2	3,00

B. EUROFLEX® Impact Protection Slabs/EPDM Surface

Colours: red⁽¹⁾, beige⁽¹⁾, green⁽¹⁾, ochre⁽¹⁾, grey⁽¹⁾, blue⁽¹⁾

Dimensions [mm] ⁽²⁾	Weight [kg / unit]	Max. Fall Height [m]
500 x 500 x 30	approx. 6,1	0,90
500 x 500 x 40	approx. 7,5	1,20
500 x 500 x 50	approx. 8,8	1,40
500 x 500 x 55	approx. 9,3	1,60
500 x 500 x 70	approx. 11,8	2,10
500 x 500 x 80	approx. 12,8	2,40
Sandwich System ⁽⁴⁾	approx. 19,5	3,00

⁽¹⁾ Slight material-related colour variations possible.

⁽²⁾ Dimensional tolerances in accordance with DIN ISO 7715, Part 2, Class M3.

⁽³⁾ To be installed with edge slabs and corner slabs of corresponding thickness.

⁽⁴⁾ Basic slabs are available in 1.000 x 500 x 40 mm. Top slabs available in 500 x 500 x 70 mm only.

Subject to technical modifications.

Playgrounds offer children the unique opportunity to romp and play to their hearts' content. Protection from serious and potentially permanent injuries in these surroundings is extremely

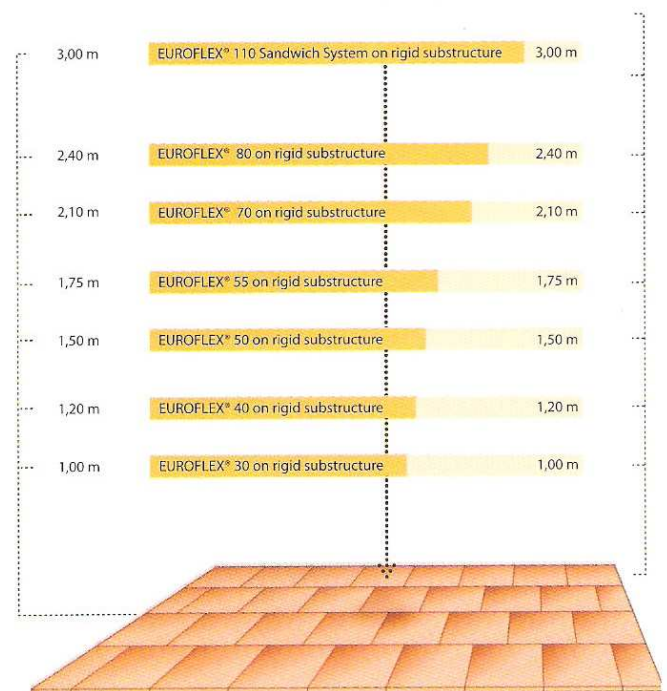
No playground should be without them:
EUROFLEX® Impact Protection Slabs.

important. EUROFLEX® Impact Protection Slabs provide shock-cushioning 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.

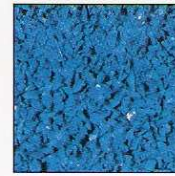
2. Unparalleled – Critical Fall Heights

The European standard EN 1177 (March 2002) 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. Suitability testing of impact protection slabs is done by certification in accordance with EN 1177. This standard evaluates shock absorption performance by the HIC (Head Injury Criterion) test procedure.

Critical Fall Heights of EUROFLEX® Impact Protection Slabs:

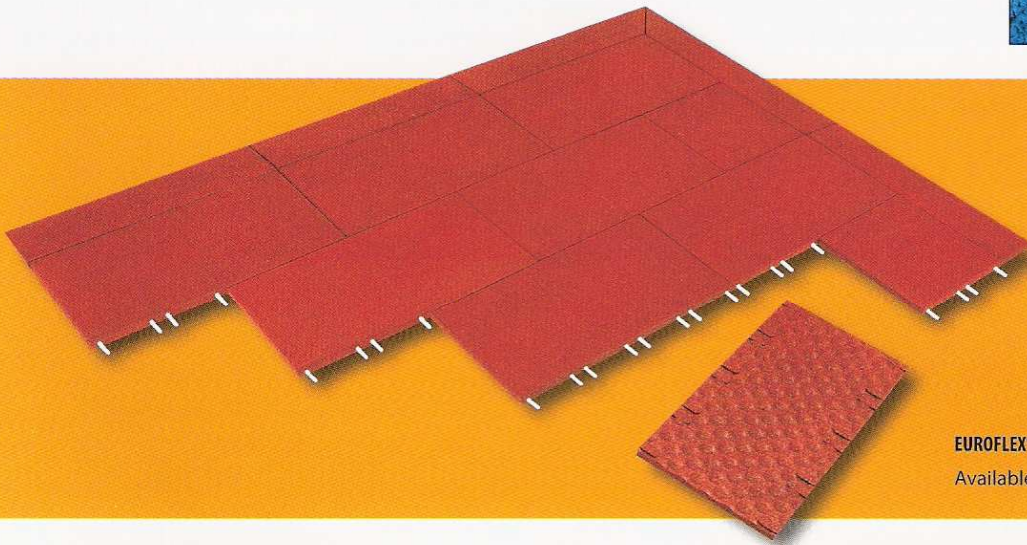


Please note: Different critical fall heights apply for EUROFLEX® Impact Protection Slabs with EPDM surfacing.



EPDM Surface

Available colours: blue (shown at left), red, beige, green, ochre, grey.



EUROFLEX® Impact Protection Slabs.

Available with or without EPDM surfacing.

3. Easy and Efficient – Installation Instructions

A. Substructure

1. Pour level layer of stone chippings (water permeable, aggregate size 0-7 mm) or lean concrete over a frost-stable, compacted stable bearing sub-base. Take care to provide sufficient slope or water permeability of the sub-base as required for water drainage. Be certain that the layer extends to the proper height (i.e. desired height of slab surface minus slab thickness). **Please note:** Install 30 mm thick slabs on paved substructure only (e.g. asphalt, concrete).

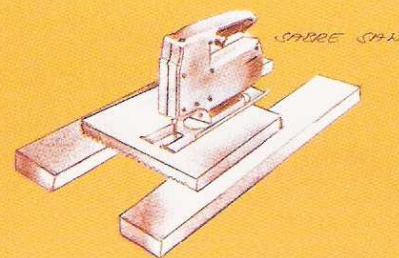
2. If required by the surrounding surface around the slabs, install EUROFLEX® Lawn Edging elements and glue joints together. If the subsurface is an existing paved surface (e.g. asphalt, concrete), level off any uneven spots (using e.g. stone chippings with aggregate size 0-3 mm). If the sub-base is not water permeable, a slope of 1% and adequately dimensioned take-off drains are required. Border off the surface to be covered by installing edge slabs and corner slabs, glueing them together and/or to the subsurface.

B. Installation of Slabs

1. Start installation in a corner of the surface to be covered. The integrated connector pins should point in the direction of installation. Install the first row of slabs up to the edge limitation on the other side, checking to ensure proper alignment and perpendicularity.

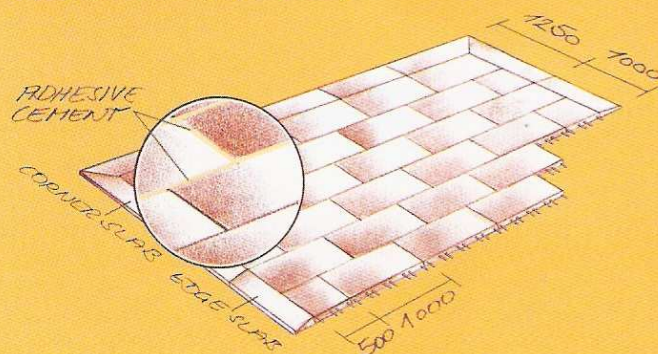
2. When installing slabs on granular subsurface, keep loose particles out of the joints between the slabs (use a piece of sheet metal as an installation aid if necessary). Glue joints of all slabs in the first and last rows to join slabs together. Start the second row and every second row after that with a half slab, creating a masonry-style configuration as shown in the drawing.

3. When installing around existing playing equipment, cut slabs appropriately to allow support feet to penetrate. If possible, the cuts should be made inward under the equipment, i.e. in areas that will not be played on. Open and/or turn the slab to get it around the support feet and glue to adjacent slabs. Use a powered sabre saw (blade for wood/medium to coarse teeth) to cut the slabs. Be sure to support the slab with sufficient elevation on both sides of the cut.



4. When installing slabs on solid subsurfaces, use edge and corner slabs to minimize danger of stumbling at the edge of the surface covered. Glue these slabs to one another and to the adjacent impact protection slabs.

Required glue quantity: 1 cartridge (310 ml) for every 3 - 4 m of joint length glued. Glue with elastic 1-component PU adhesive cement, e.g. Ottocoll P 83 and Ottocoll M 500 (from Otto-Chemie, Fridolfing / Germany, Tel. +49-8684-908-0). Suitable cements are also available from specialty retailers or your nearest KRAIBURG representative.



ⓘ To avoid colour variations due to differences in sunlight exposure, leave the UV protection film on the products as supplied until just prior to installation.

For children, playing is an elementary means of acquiring physical, mental and social skills. Part of this learning process is trial and error involving occasional bumps or falls. EUROFLEX® shock-absorbent surfacing systems assist in this process by helping protect children at play from serious or even permanent injuries.

4. Field-Proven – The EUROFLEX® Accessory Programme

A. Cubes

Can be used e.g. as:

- Sandbox edging
- Seating or
- Traffic barriers



- Individual elements permit personalized design of play areas.
- Safe, splinter-free, soft, comfortable to sit on and fast-drying.
- Optional integrated steel mounting anchor available.

B. Rhinos/Elephants

- For imaginative design of adventure playgrounds, playing areas, schoolyards, daycare centres, etc.
- Eye-catching playing equipment.



- Safe, splinter-free and soft; available in wide range of EPDM colours.
- Mounting anchor for improved stability in indoor and outdoor use.
- Easy to install and remove.

C. Impact Protection Slabs with integrated letter/number

- For creative design of playgrounds, schoolyards, nurseries, daycare centres, etc.



- Highest safety, outstanding durability.
- Integrated connector pins protect against movement and unauthorized removal.
- Wide range of options available.

D. Mushrooms

- Soft and safe playing equipment for schoolyards, playgrounds, daycare centres, nurseries, etc.

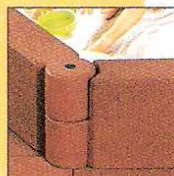


- Available in various colours and heights.
- Safe, splinter-free, soft, comfortable to sit on and fast-drying.
- Mounting anchor for improved stability in outdoor use.
- Fun for children young and old alike.

5. Versatile – EUROFLEX® Edging Elements

A. Sandbox Edging

- Splinter-free, soft edging for sandboxes, playing areas and sports fields.
- Can be used in planter walls, traffic-calming barriers, safety islands, etc.



- Modular edging elements can be recombined, relocated or inverted after installation, providing maximum freedom of design.
- Self-supporting – saves digging work, disposal and foundation costs.
- Highly cost-effective and weather-resistant.

For further tips, technical data and information contact your nearest authorized representative or visit our website at www.kraiburg-relastec.com/euroflex

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Product Service

