

1. Applications

EUROFLEX® EPDM Mulch Elastic Slabs are used as fall-impact protection surfacing in conformance with EN 1177:2018 under outdoor playground equipment for fall heights 0,6 m up to 3,0 m or as elastic surfacing slabs on school recess areas, fitness studios.

Conditionally resistant to spiked golf shoes or edge trim. Easy and inexpensive to install – with excellent dimensional stability due to integrated connector pins and interlocking masonry-style installation.

EUROFLEX® EPDM Mulch Elastic Slabs are manufactured by an environment-friendly process and can be recycled as process raw material at the end of their service life.

They can be played on under almost any weather conditions.

2. Material

Rubber granulate: base frame: granulated recycled rubber
Topping full colored new EPDM Mulch

Binding agent: MDI polyurethane

3. Characteristics

Colour base frame: red

Colour topping: Blend beige RAL: 8024 + 1001



Blend green RAL: 6017 + 6025



Other colours on request.

Surface:	smooth with open pores
Lower side:	dimple-textured (for drainage)
Other data:	plastic connector pins included

4. Dimensions / Tolerances

Dimensions [mm]	Weight [kg]/ unit	Max. Fall Height [m]
500 x 500 x 30	approx. 5,1	1,00
500 x 500 x 40	approx. 7,6	1,20
500 x 500 x 50	approx. 7,9	1,40
500 x 500 x 55	approx. 8,8	1,60
500 x 500 x 70	approx. 10,6	2,10
500 x 500 x 80	approx. 12,3	2,40
Softsystem 90mm	approx. 11,0	3,00
Dimensional tolerances:	length, width: +/- 0,8 %, thickness: +/- 2 mm	

5. Test Data

Production facility inspection

Permissible fall height: in accordance with EN 1177:2018

HIC 1000 in accordance with EN 1176-1:2017

Migration in accordance with DIN EN 71-3

Fire resistance: Class Cfl s1 (DIN EN 13501-1, 2007)

Tensile strength: Mulch Material > 6 MPa (DIN 53504)

Elongation at break: Mulch Material > 700 % (DIN 53504)

Chemical resistance: conditionally resistant to acids and bases

6. Installation

Pour level layer of lean concrete or crushed rock over frost-stable sub grade.

If the surface covered is an existing concrete or asphalt surface, take care to provide sufficient slope for water drain-off and level off any irregularities.

Use edge slabs and corner slabs around the surface to minimize the danger of stumping.

Install the slabs in a masonry-type configuration, i.e. beginning every second row with a half slab. Insert connector pins fully into the receiving holes.

To ensure secure placement, cement the crosswise joints of the first and the last row.

The cement used should be a 1-component PU adhesive cement.

Cut slabs to size using a powered sabre saw.

Note the complete Installation instruction.