

Impact Protection Slab EPDM

Product Data Sheet no. 9303 - R04

Issue: January 2018

EUROFLEX® EPDM Elastic Slabs are used as fall-impact protection surfacing in conformance with EN 1177:2008 under outdoor playground equipment for fall heights 1,0 m up to 2,40 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 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.

Material

Material:

Rubber granulate: granulated recycled rubber, Topping colored new EPDM granulate

Binding agent: MDI polyurethane

Product design

Colours: subbase: red
surface: [according to EPDM colour palette](#)

Colours:



EPDM colours

Surface: smooth with open pores
Lower side: dimple-textured (for drainage)

The product data sheet is not subject to any change service! All information is without guarantee.

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Dimensions / Tolerances / Weight

Dimensions [mm] / weight **30 mm** / 1.00 m / ca. 5.6 kg
[kg] / max. fall height [m]: **40 mm** / 1.20 m / ca. 8.1 kg
50 mm / 1.40 m / ca. 8.4 kg
55 mm / 1.60 m / ca. 9.3 kg
70 mm / 2.10 m / ca. 9.8 kg
80 mm / 2.40 m / ca. 12.8 kg
70+20 mm Softsystem / 3.00 m / ca. 11.0 kg

Dimensions [mm]: 500 x 500 mm

Tolerances: length, width: +/- 0,8 %, thickness: +/- 2 mm

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Product Testing

Permissible fall height:	in accordance with DIN EN 1177:2008, EN 1177:2008 in accordance with DIN EN 1176-1:2008, EN 1176-1:2008
Abrasion resistance:	rV 5,9 (DIN 18035) BS 7188-4
Fire resistance:	Class Cfl s1 (DIN EN 13501-1, 2007) Class B s1 for the EPDM surface available on request
Tensile strength:	min. 0,75 N/mm ² EN-DIN-ISO 1798-2008 (DIN 53571)
Elongation at break:	approx. 40 % EN-DIN-ISO 1798-2008 (DIN 53571)
Chemical resistance:	conditionally resistant to acids and bases
Salt water resistance:	resistant in accordance with DIN EN ISO 175, DIN EN ISO 3386-2
Cold fracture resistance:	24h / -40°C, no fracture
Cold crack resistance:	5h / -30°C, no cracks
Skid resistance:	wet: 50,75, dry: 50 in accordance with ASTM E 303
Water permeability:	40 mm slab: 0,011 gpm/in ³ 70 mm slab: 0,015 gpm/in ³
Critical Radiant Heat Flux:	0,08 Watts/cm ³ in accordance with ASTM E 648/03
Dynamic friction:	wet: 0,57 μ , dry: 0,65 μ in accordance with DIN 18032-2, 2001-4

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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.

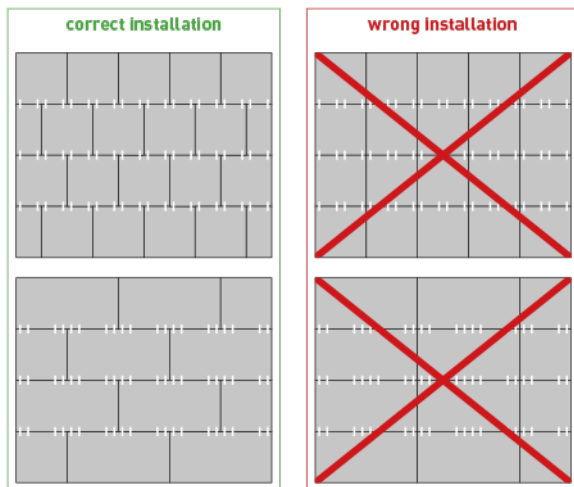
To ensure secure placement, cement the crosswise joints of the first and the last row.

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.

Installation picture:



Other

Other: plastic connector pins included

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