

1. Applications

EUROFLEX® Elastic Slabs are used as fall-impact protection surfacing in conformance with EN 1177:2008, EN 1176-1:2008 under outdoor playground equipment for fall heights 1,0 m up to 2,30 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® 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: granulated recycled rubber
Binding agent: MDI polyurethane

3. Characteristics

Colour: red, green, grey or black (minor colour variations and/or fading possible.)
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. 5,2	1,00
500 x 500 x 40 H-paver Slabs	approx. 8,7	1,10
500 x 500 x 40	approx. 6,5	1,20
1000 x 500 x 40	approx. 13,0	1,20
500 x 500 x 50	approx. 7,5	1,50
1000 x 500 x 50	approx. 15,0	1,50
500 x 500 x 60	approx. 9,0	1,70
500 x 500 x 70	approx. 10,4	2,10
500 x 500 x 80	approx. 12,0	2,30

Dimensional tolerances: length, width: +/- 0,8 %, thickness: +/- 2 mm
To be installed with edge slabs, corner slabs, inside corner slabs or edge and corner profile

5. Test Data

Permissible fall height:	in accordance with DIN EN 1177:2008, EN 1177:2008	
HIC 1000	in accordance with ASTM 1292-2004 DIN EN 1176-1:2008, EN 1176-1:2008	
Production facility inspection		
Fire resistance:	Class E	(DIN EN 13501-1, 2002)
Tensile strength:	min. 0,75 N/mm ² (DIN 53571)	EN-DIN-ISO 1798-2008
Elongation at break:	approx. 40 % (DIN 53571)	EN-DIN-ISO 1798-2008
Abrasion resistance:	rV 5,9	(DIN 18035) BS 7188-4
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	
Critical Radiant Heat Flux:	0,08 Watts/cm ³ in accordance with ASTM E 648/03	
Water permeation test:	40 mm slab: 0,011 gpm/in ³ 70 mm slab: 0,015 gpm/in ³	
Resistance to chlorine:	resistant in accordance with DIN EN ISO 175, DIN EN ISO 3386-2	
UV resistance:	resistant in accordance with DIN EN 1297, DIN EN ISO 3386-2	

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