Elastic Slabs 30, 40, 45, 55, 60, 70, 80 mm
Softsystem 80, 90 mm

1. Applications

EUROFLEX® Elastic Slabs are used as fall-impact protection surfacing in conformance with EN 1177:2018, EN 1176-1:2017 for fall heights up to 3,0m and under outdoor playground equipment in accordance with DIN EN 16630:2015-06 for fall heights 1,0 m up to 3,0 m or as elastic surfacing slabs on school recess areas.
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
Base frame Softsystem:	Plastics material

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
Colour base frame:	Geomembrane white, plastics material black

4. Dimensions / Tolerances

Dimensions [mm]	Weight [kg]/ unit	Max. Fall Height [m]
500 x 500 x 30	approx. 5,2	1,00
500 x 250 x 30	approx. 2,6	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
500 x 250 x 40	approx. 3,2	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 55	approx. 8,1	1,60
500 x 500 x 60	approx. 9,0	1,70
500 x 250 x 60	approx. 4,5	1,70
500 x 500 x 70	approx. 10,4	2,10
500 x 250 x 70	approx. 5,2	2,10
500 x 500 x 80	approx. 12,0	2,40
500 x 250 x 80	approx. 6,0	2,40

Softsystem

Upper tile Softsystem 80 mm:		
500 x 500 x 60	approx. 9,0	2,60
Upper tile Softsystem 90 mm:		
500 x 500 x 70	approx. 10,4	3,00

Base frame:
Rolls Width: 1000 mm, Thickness: 20 mm, Length: 30000mm
Weight: 1,0 kg/m²

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 EN 1177:2018	
HIC 1000	EN 1176-1:2017	
Production facility inspection		
Migration of certain elements in accordance with EN 71-3:2013 - passed		
Fire resistance:	Class E	DIN EN 13501-1, 2010
Abrasion resistance:	rV 5,9	DIN 18035
Testing of slip resistance:	R 10	EN 16165
		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	
Water permeation test:	8587 mm/h for the 50mm slabs DIN EN 14877:2013	
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.

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