

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

All information without guarantee, subject to change. The Data Sheet is not subject to any change service.
Each current and valid from can be recalled at www.kraiburg-relastec.com/euroflex

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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)
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: 40 mm slab: 0,011 gpm/in³ 70 mm slab: 0,015 gpm/in³

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.