Storage of EUROFLEX® Products and adhesive cements

EUROFLEX® products should normally be stored in dry areas at constant temperature above 10°C. If stored below 10°C, store the slabs at the installation site temperature (> 10°C) for at least 2 hours before installation.

Important note: Adhesive cements must be stored at all times in dry locations above 0°C.

To avoid colour variations due to differences in sunlight exposure, leave the UV protection film on the products as supplied until just prior to installation.

Required Tools

Cut Cutting knife, heavy duty, with replacement blades, hand saw, sabre saw or band saw (with blades for wood), steel straight edge (e.g. carpenters square 600 mm)

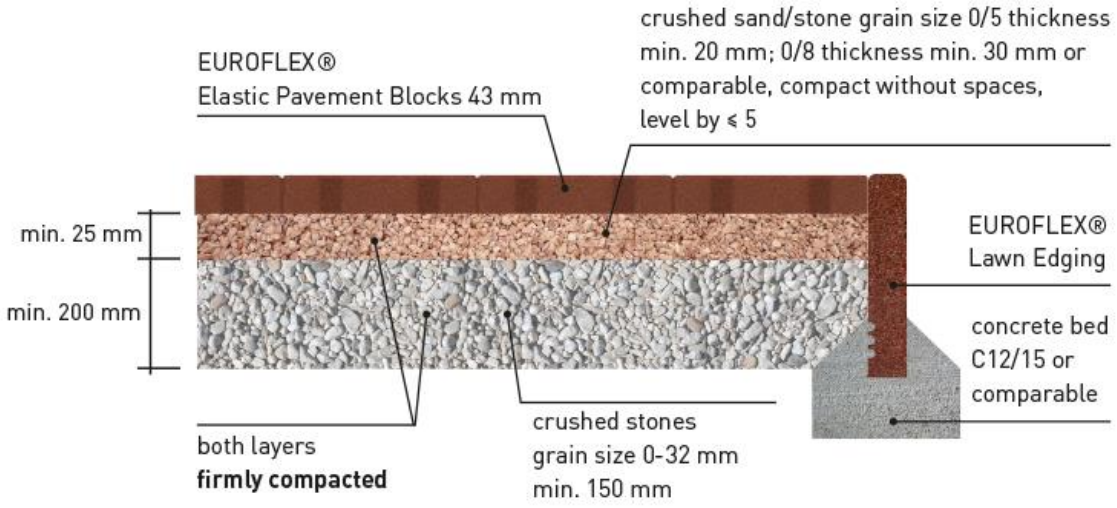



Mark Chalk line with refill chalk, felt-tip markers (water –soluble) or chalk, tape measure or meter stick

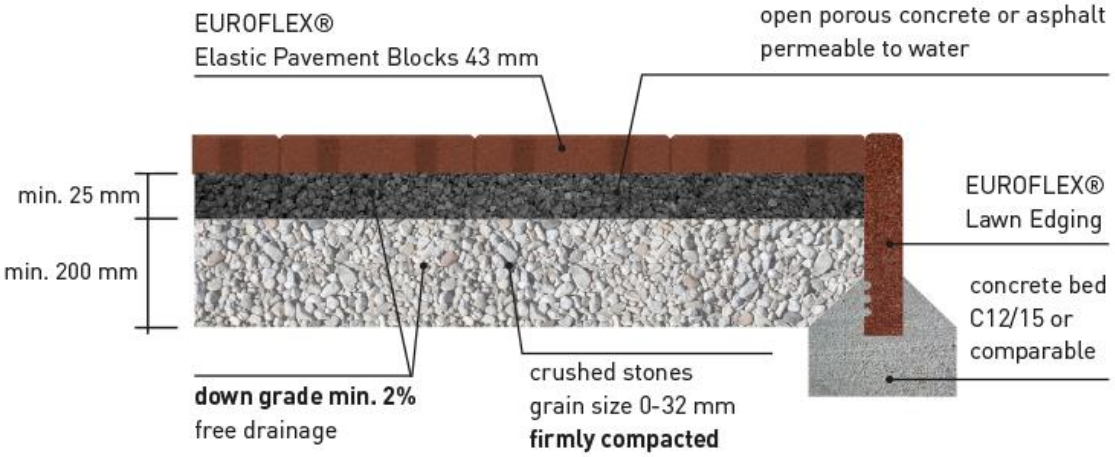

Gluing Application gun for dispensing adhesive cement, adhesive cement cartridges, work glove, kneepads


KRAIBURG Relastec GmbH & Co.KG
Fuchsberger Straße 4 · D-29410 Salzwedel
Fon +49-(0)8683-701- 145 · Fax +49-(0)8683-701-4-145
euroflex@kraiburg-relastec.com · www.kraiburg-relastec.com/euroflex

Preparation of Subsurface
Preparation unbounded subgrade



Preparation bounded subgrade



Note: The basement is take off until attended depth plus thickness of the blocks. Through acceptance inspection for the subgrade is recommended for installation the blocks.

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Subsurface Design / Acceptance Criteria

EUROFLEX® blocks have excellent drainage properties. The subsurface below them must therefore provide sufficient drainage as well. Paved surfaces (such as concrete or asphalt) must be level with a slope of approx. 2% and have adequate takeoff drains.
Any depressions greater than 3 mm in depth which can collect water must be leveled off by suitable materials.
Like other elastomeric materials, EUROFLEX® products absorb heat when exposed to direct sunlight. Their surface temperatures can be higher than asphalt surfaces exposed to the same conditions. EUROFLEX® products should be installed and stored in shady areas if possible to avoid overheating.

Preparation of the Subsurface

Proper construction and acceptance inspection of this subsurface before installation is extremely important.
The following instructions must followed exactly by the contractor carrying out the subsurface preparation and by the EUROFLEX® blocks installer in subsequent acceptance inspection. Remove the existing soil to a depth of min 300 mm plus the thickness of the slabs that will installed.
If no edge trim enclosed is present around the area to be covered, install EUROFLEX® Lawn Edging for safer playing conditions.
EUROFLEX® blocks are elastic products with open pores. Based on optional effects of the weather, as much rain, it is possible that the dimensions change.
Should questions arise regarding soil conditions and characteristics or expected soil behavior, consult a soil mechanics engineer.
Compact each layer with a vibration compactor to 98% standard Proctor density.
Following application of the final layer, again check levelness, correct uneven spots with suitable material. Paved subsurface such as concrete or asphalt must be absolute even level without any vertical height. To avoid water collection, must have a slope of at least 2 % and must lead into a take-off drain system.
The surfaces must be free of cracks, clean and free of oil or other foreign materials. Regardless of the type of subsurface used; it must not deviate from level by more than 5 mm under a 3 m lathe.

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Evenly remove crushed sand - chippings mixture 0/5 mm, 0/8 mm and compact to a stable consistency.

Perpendicularity Check, Minimization of Dimensional Variations

Start installation by laying a chalk line parallel to and a full slab width away from one side of the surface to be covered. Lay a second chalk line exactly perpendicular (at an angle of 90°) to the first. Check that the lines are perpendicular by the 3/4/5 rule: Starting at the intersection point of the lines, measure off exactly 3 m down the first line and mark this point, then measure off exactly 4 m down the second line and mark this point. Measure the distance between the two points marked. If the lines are perpendicular, the distance between the points will exactly be 5 m.

The dimensional tolerance of EUROFLEX® pavement blocks as manufactured is approx. +/- 0,8% in length and width, +/- 2 mm thickness. Dimensional variations can be caused by storage in stacks (elastic compression of the slabs due to the stack weight) and changes in thermal expansion and ambient temperature.

The following procedures is recommend to minimize dimensional variations:

- Be certain that all blocks to be laid have the same temperature over the entire term of installation.
- Install all blocks in a single session to ensure installation under similar conditions.

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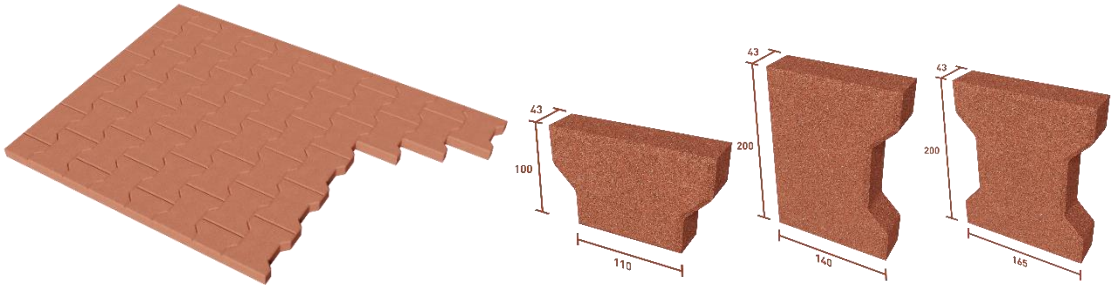
For ideal installation conditions, the ambient temperature at the site should have been over 4°C for at least 24 hours prior to installation. If the ambient temperature at the site is below 4°C, store the slabs to install in a dry area at a temperature of at least 10°C for at least 72 hours prior to installation.

Do not install EUROFLEX® blocks if ambient temperatures below 4°C is expect at the installation site for an extended period.

Installation of Blocks

Start installation with a starter block in a corner of the edging around the area to surfaced. Install the first row of blocks up to the edge limitation on the other side.



1m² = 35 full blocks

Start the second row with a half and continue with full blocks as shown in the illustration above. Fit the blocks closely together, taking care to prevent stone chippings from entering the joints between them. Be sure to glue all starter blocks and half blocks with the adjacent blocks and/or the edging.

When installing around existing playing equipment or within non-uniform-shaped perimeters, cut blocks appropriately and glue to adjacent blocks and/or the substructure. The blocks are easy to cut using a low-speed sabre saw (blade for wood/medium-sized teeth) or a carpet knife in conjunction with a steel straightedge. Installation over curved surfaces, depressions or contours with radii of curvature between 4 m and 8 m requires use half blocks in appropriate quantities. Install as described above within edge trim enclosure e.g. EUROFLEX® Lawn Edging.

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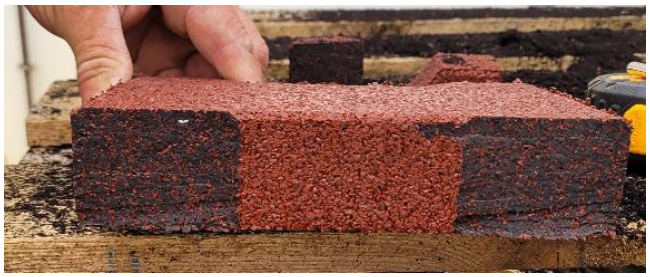
Cutting EUROFLEX® Elastic Pavement Blocks

Cutting can be done with a jigsaw or a plunge saw.
The disadvantage of this is a certain amount of rubber dust.
Precise and dust-free cutting is possible using a sturdy cutter knife.







Curves should be marked before cutting.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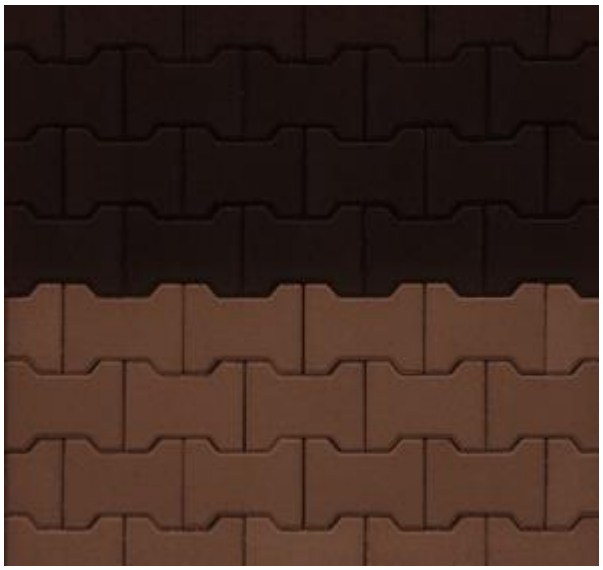
Attention: Please calculate 3% for cutoff.
For the exact calculation, please note that for the sides with beginner's stones an additional requirement of + 0.17m² per linear meter must be calculated!

Example: 1m² H stones with whole and half stones (35 pcs.)



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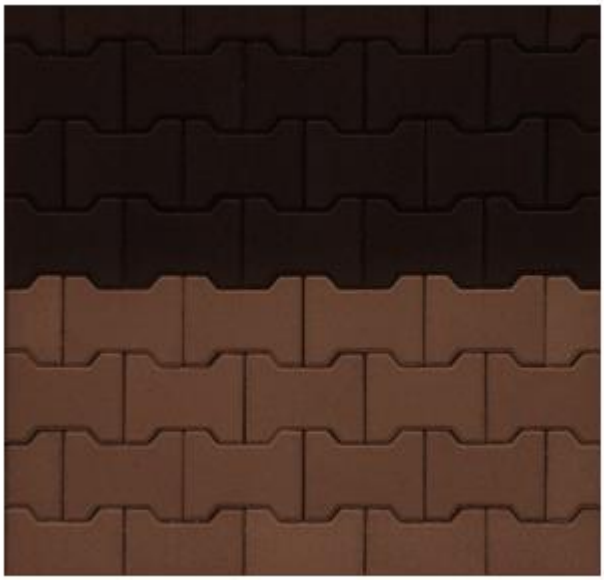
Example: 0,83m² with beginner, whole and half stones



beginner

Gluing is only recommend for small pieces in the edge area.

Required quantity of glue: 1 cartridge (310 ml) for every 3 – 4 m of joint length glued.
Type of glue: elastic 1-component polyurethane adhesive cement e.g. Ottocoll P 83 **grey** and Ottocoll M 500 **red** can be obtained from us.
Preparation: The surfaces must be clean, dry and free of grease. Check adhesion to and compatibility with plastic and painted surfaces before installation.
Gluing: Apply adhesive cement from application pistol onto the substrate. The required layer thickness is dependent on the materials being joined. Within 10 minutes, put the upper material in place and apply contact pressure. Due to the pasty consistency of the cement, we recommend maintaining contact pressure until curing is complete. The required curing time is dependent on the layer thickness and the humidity of the ambient air.
Processing temperature: + 5°C until +40°C
Film after 20 min at 23°C
Curing time after 24 h at 23°C

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