



### Installation Instruction

#### 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



All information without guarantee, subject to change. The installation instruction is not subject to any change service. Each current and valid from can be recalled at [www.kraiburg-relastec.com/euroflex/](http://www.kraiburg-relastec.com/euroflex/)

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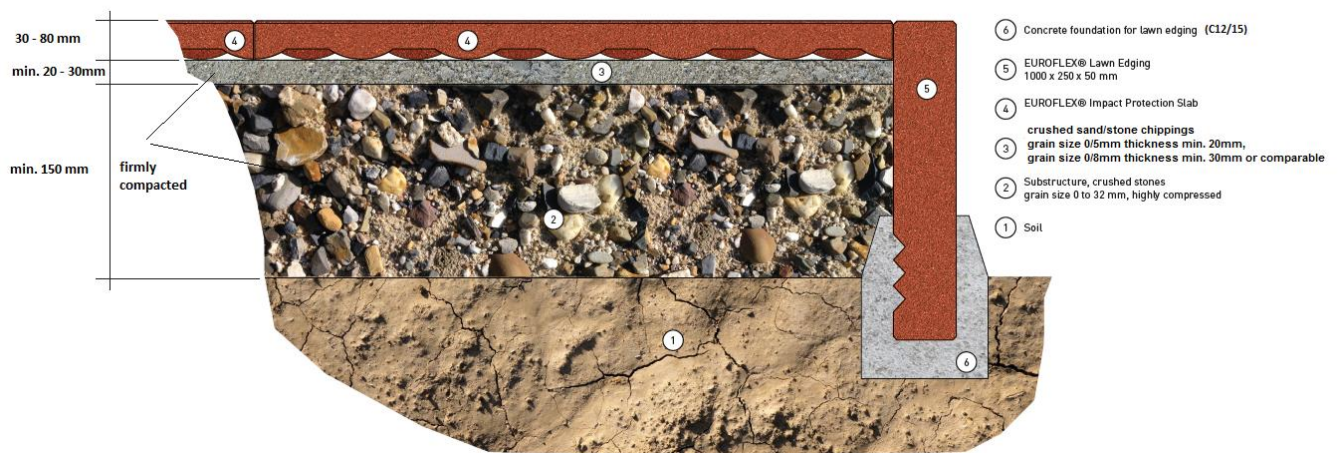


### Attention:

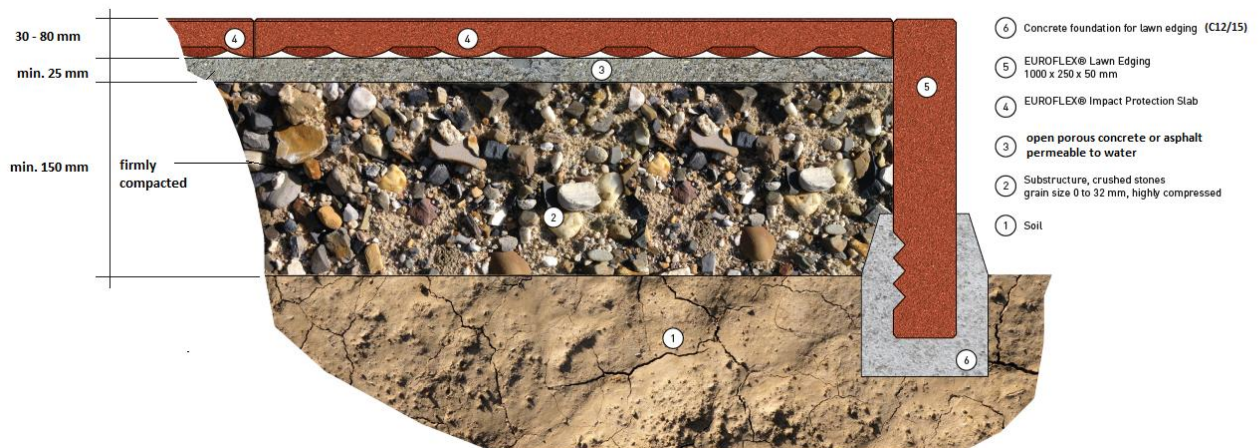
The subbase for indoor installation should be even, flat and dry.  
By installation on an already existing subbase should be checked the compatibility.  
If the subbase material based on PVC migration of plasticizer are possible and unpleasant exhalations.

### Preparation Subbase

#### Unbounded Subgrade



#### Bounded Subgrade



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**Note: The basement is taken off till attended depth plus thickness of the slabs. Through acceptance inspection for the subgrade is recommended for installation the slabs. For not drainable concrete or asphalt is a down grade of approx. 2% and an adequate take-off drains needful.**

### **Subsurface Design / Acceptance Criteria**

EUROFLEX<sup>®</sup> slabs have excellent drainage properties.

Any depressions greater than 3 mm in depth which can collect water must be levelled off by suitable materials.

Like other elastomeric materials, EUROFLEX<sup>®</sup> products absorb heat when exposed to direct sunlight. Their surface temperatures can be higher than asphalt surfaces exposed to the same conditions. EUROFLEX<sup>®</sup> 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 be followed exactly by the contractor carrying out the subsurface preparation and by the EUROFLEX<sup>®</sup> slab installer in subsequent acceptance inspection. Remove the existing soil to a depth of min 300 mm plus the thickness of the slabs that will be installed.

If no edge trim enclosed is present around the area to be covered, install EUROFLEX<sup>®</sup> Lawn Edging for safer playing conditions.

EUROFLEX<sup>®</sup> slabs are elastic products with open pores. Based on optional effects of the weather, as much rain, it is possible that the dimension's change.

Should questions arise regarding soil conditions and characteristics or expected soil behaviour, 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. 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.



Crushed stones bed stable compacted



Levelling crushed sand/stone



Stable compacting

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### 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<sup>®</sup> slabs 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 are recommended to minimize dimensional variations:

- **Be certain that all slabs to be laid have the same temperature over the entire term of installation.**
- **Spread the slabs out on the ground for 2 hours before final installation to permit them to regain their original dimensions.**
- **Install all slabs in a single session to ensure installation under similar conditions.**

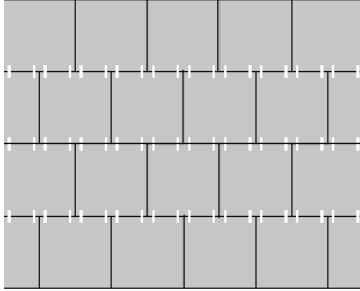
**For ideal installation conditions, the ambient temperature at the site should have been over 4°C for at least 24 hours prior to installation. If the ambient temperature at the site is below 4°C, store the slabs to be installed in a dry area at a temperature of at least 10°C for at least 72 hours prior to installation. Do not install EUROFLEX<sup>®</sup> slabs if ambient temperatures below 4°C are expected at the installation site for an extended period of time.**

### Installation of EUROFLEX<sup>®</sup> Slabs

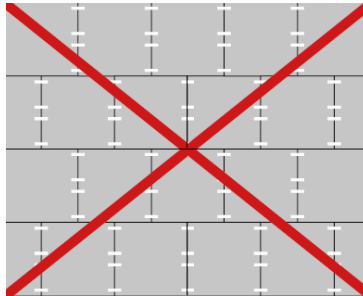
Install the first row of EUROFLEX<sup>®</sup> slabs by placing them precisely along the chalk line Start the second row (and every second row thereafter) with a half slab. Connect the slabs of the second row to the first by the integrated connector pins. The masonry-style configuration (Figure 1) provides stability of the installed slabs. Cut the last slab in each row to the required size using a heavy-duty carpet knife or a sabre saw.



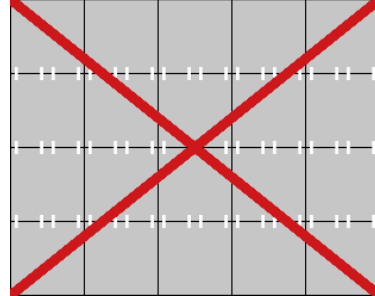
Correct: „T“-joints



Incorrect: „T“-joints  
Installed in line



Incorrect: cross joints



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**Attention:** When laying on bonded non-drainable subsoil, lean concrete or asphalt layer, a minimum slope of approx. 2% and an appropriate free and corresponding free drainage are absolutely necessary. It must be absolutely ensured that the slabs are not exposed to constant moisture influences from the substrate, as this would otherwise lead to unilateral dimensional changes of the slab material. The consequence would be an expansion of the slabs and a shift in position within the surface bond.

#### **Maintenance of the installed EUROFLEX® surface**

Regular maintenance of the installed EUROFLEX® surface increases its service life and improves its visual appearance.

EUROFLEX® surfaces can be cleaned with a broom with hard bristles or with a powerful vacuum cleaner.

EUROFLEX® slabs are cleaned by washing with most commercially available (e.g. household) cleaning agents in the dilution recommended by the manufacturer.

Depending on the degree of use, deep cleaning should be performed at regular intervals to remove mildew or mold from EUROFLEX® slabs.

This special care can be carried out with a steam vacuum cleaner or a high-pressure cleaner with or without the use of cleaning agents.

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It is important to ensure that the joints in particular are not too heavily covered with moss or grass, as this can lead to the slabs being pushed apart or up.

Follow the complete cleaning instructions.