

Installation Instruction

Storage of EUROFLEX® Products and Adhesive Cements EUROFLEX® products should be stored, under normal conditions, in dry areas at a constant temperature above 10°C. If storage below 10°C is unavoidable, allow the slabs to acclimate at the installation site temperature (greater than 10°C) for a minimum of 2 hours prior to installation. **Important:** Adhesive cements must be stored at all times in dry locations above 0°C. To minimize color variations caused by differential sunlight exposure, keep 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

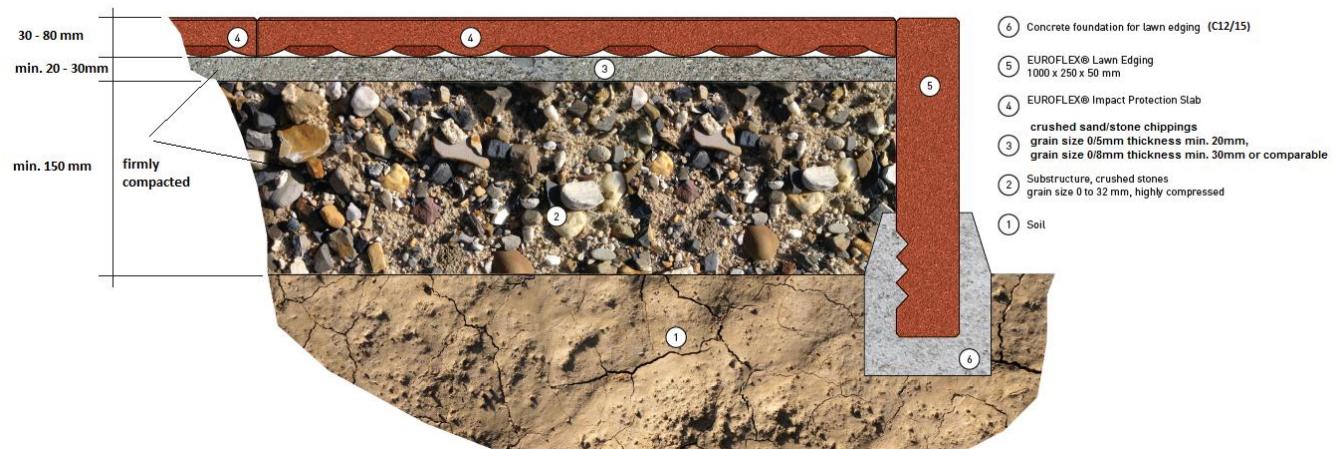
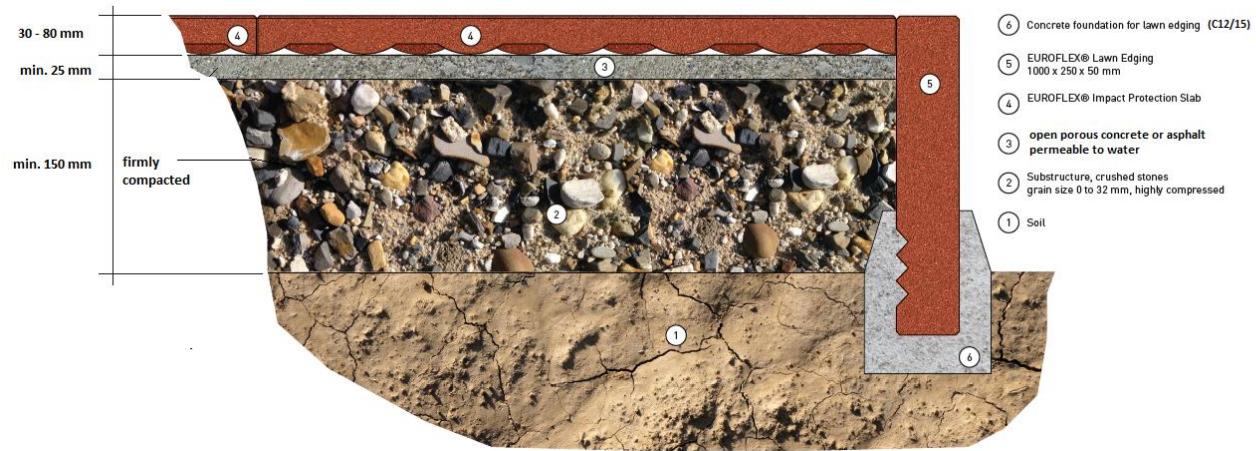


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Attention:

The subbase for indoor installation must be even, flat, and dry. When installing on an existing subbase, compatibility should be verified. Subbase materials based on PVC may migrate plasticizers, which can cause odors and related issues.

Preparation Subbase**Unbounded Subgrade****Bounded Subgrade**

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Note:

The basement floor should be considered cleared to the required depth plus the thickness of the slabs. An acceptance inspection of the subgrade is recommended before installing the slabs. For non-drainable concrete or asphalt, a downward grade of approximately 2% is required, and adequate drainage must be provided.

Subsurface Design / Acceptance Criteria

EUROFLEX® slabs exhibit excellent drainage properties. Any depressions exceeding 3 mm in depth that can collect water must be leveled with appropriate materials. Like other elastomeric materials, EUROFLEX® products absorb heat when exposed to direct sunlight, and their surface temperatures can be higher than those of asphalt under the same conditions. EUROFLEX® products should be installed and stored in shaded areas when possible to minimize overheating.

Preparation of the Subsurface

Proper construction and acceptance inspection of the subsurface prior to installation are of critical importance. The following instructions must be followed exactly by the contractor performing the subsurface preparation and by the EUROFLEX® slab installer during subsequent acceptance inspections.

Remove the existing soil to a depth of at least 300 mm plus the thickness of the slabs to be installed.

If no edge trim enclosure is present around the area to be covered, install EUROFLEX® Lawn Edging to ensure safer playing conditions.

EUROFLEX® slabs are elastic products with open pores. Depending on weather conditions and rainfall, dimensional changes may occur.

If questions arise regarding soil conditions, soil characteristics, or expected soil behavior, consult a soil mechanics engineer.

Compact each layer with a vibration compactor to 98% of standard Proctor density.

After applying the final layer, recheck levelness and correct any uneven spots with suitable material.

Paved subsurfaces such as concrete or asphalt must be uniformly level with no vertical height differences. Surfaces must be free of cracks, clean, and free of oil or other contaminants.

Regardless of subsurface type, the surface must not deviate from level by more than 5 mm over a 3 m span.



Crushed stones bed stable compacted



Levelling crushed sand/stone



Stable compacting

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Perpendicularity Check, Minimization of Dimensional Variations

Begin installation by laying a chalk line parallel to, and a full slab width away from, one edge of the surface to be covered. Lay a second chalk line exactly perpendicular (at a 90° angle) to the first. Verify perpendicularity using the 3-4-5 rule: from the intersection point of the lines, measure exactly 3 m along the first line and mark that point; measure exactly 4 m along the second line and mark that point. The distance between the two marked points should be exactly 5 m if the lines are perpendicular.

The dimensional tolerance of EUROFLEX® slabs as manufactured is approximately $\pm 0.8\%$ in length and width, and $\pm 2\text{ mm}$ in thickness. Dimensional variations may be caused by storage in stacks (elastic compression of the slabs due to stack weight) and by changes in thermal **expansion and ambient temperature**.

The following procedures are recommended to minimize dimensional variations:

- **Ensure that all slabs to be laid remain at the same temperature throughout the installation.**
- **Allow slabs to acclimate on the ground for 2 hours prior to final installation to permit them to regain their original dimensions.**
- **Install all slabs in a single session to ensure installation under consistent conditions.**

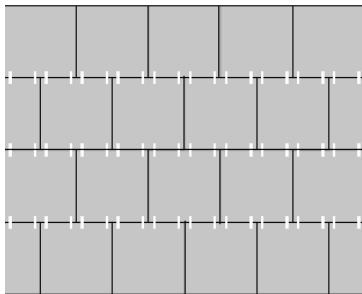
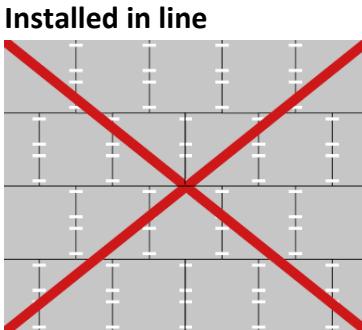
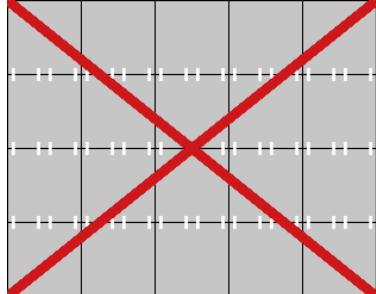
For optimal installation conditions, the ambient temperature at the site should have been above 4°C for at least 24 hours prior to installation. If the ambient temperature at the site is below 4°C, store the slabs to be installed in a dry area at a temperature of at least 10°C for at least 72 hours prior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

Installation of EUROFLEX® Slabs

Install the initial row of EUROFLEX® slabs with precise alignment along the chalk line. Begin the second row, and every alternate row thereafter, with a half slab. Connect the slabs in the second row to those in the first row using the integrated connector pins. The masonry-style configuration (Figure 1) provides stability for the installed slabs. Cut the last slab in each row to the required dimensions using a heavy-duty utility knife or a sabre saw.

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Correct: „T“-joints**Incorrect: „T“-joints****Installed in line****Incorrect: cross joints**

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Attention: When installing on bonded non-drainable subsoil, lean concrete, or asphalt layers, a minimum slope of approximately 2% and appropriate free drainage are essential. It must be ensured that the slabs are not exposed to persistent moisture from the substrate, as this would cause unilateral dimensional changes in the slab material. Such moisture exposure could result in slab expansion and a shifting position within the surface bond.

Maintenance of the installed EUROFLEX® surface

Regular maintenance of the installed EUROFLEX® surface extends its service life and enhances its appearance. EUROFLEX® surfaces can be cleaned using a broom with hard bristles or a powerful vacuum cleaner.

EUROFLEX® slabs may be cleaned by washing with commonly available cleaning agents, in the dilution recommended by the manufacturer.

Depending on usage, deep cleaning should be performed at regular intervals to remove mildew or mold from EUROFLEX® slabs. This special care can be performed with a steam vacuum cleaner or a high-pressure cleaner, with or without cleaning agents.

It is important to ensure that the joints, in particular, are not overly covered with moss or grass, as this can cause the slabs to separate or rise. Follow the complete cleaning instructions.