

Installation Instruction

Storage of EUROFLEX® Products and adhesive cements

EUROFLEX® products should normally be stored in dry environments at a constant temperature above 10°C. If storage occurs below 10°C, allow the slabs to reach installation-site temperature (>10°C) for at least 2 hours prior to installation. Important note: Adhesive cements must be stored at all times in dry locations above 0°C. To prevent color variations due to differences in sunlight exposure, retain the UV protection film on the products as supplied until immediately prior to installation.

Tools

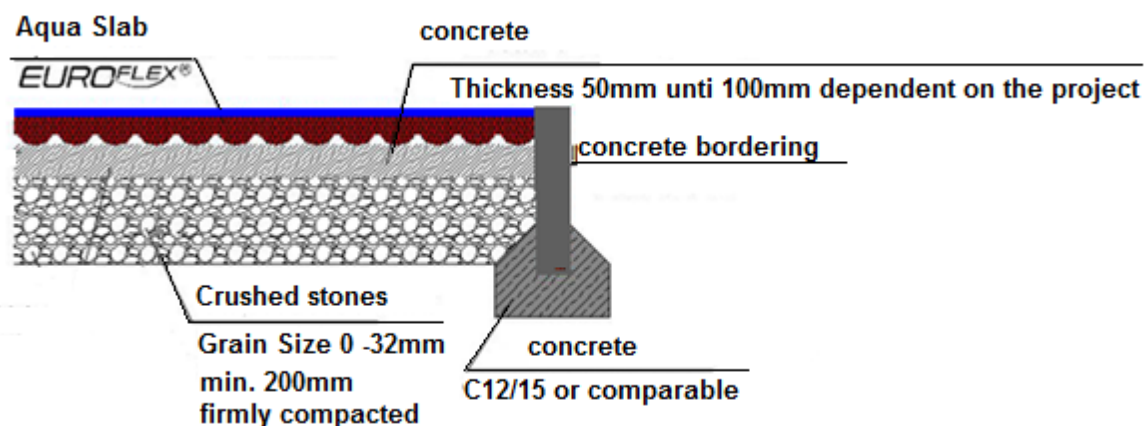
Measuring and marking: folding rule, chalk line, chalk



Cutting: solid cutter, sabre saw (saw blade for wood), angular rail



Preparation bonded subbase



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/

Seite 1 von 9

Subsoil

Select the concrete quality to achieve a specified stability against different water types. Follow the guidelines of EN 206-2 and DIN 1045-2.

Prior to installation, and to fix the various mounting parts of the basin in the formwork or reinforcement, it must be known which types of waterproofing will be applied to the concrete. This process is standardized in DIN 19643.

The purpose is the installation of the floor drain in areas of horizontal flow or in channels with clean water flow. Waterproofing is required if the concrete does not meet the standard "Water-impermeable construction concrete" as defined by DAfStb or an equivalent standard. Additional sealing measures are recommended where appropriate.

The material must perform in a way that does not negatively affect water quality.

The German standard DIN 19643-1 describes all regulations for waterproofing systems, and related requirements.

It is recommended to consult a specialist.

Subsurface Design / Acceptance Criteria

EUROFLEX® Aqua slabs exhibit excellent drainage properties. Paved surfaces, including concrete, must be level and equipped with appropriate take-off drainage. Any depressions exceeding 3 mm in depth that can collect water should be leveled using suitable materials.

Preparation of the Subsurface

Compact each layer with a vibration compactor to 98% of standard Proctor density. After applying the final layer, recheck the levelness and correct any uneven spots with suitable material. The paved subsurface, such as concrete, must be completely level with no vertical deviations. Surfaces must be free of cracks, clean, and devoid of oil or other foreign materials. Regardless of subsurface type, it must not deviate from level by more than 5 mm over a 3 m length.

Installation of square areas

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

EUROFLEX® slabs have a manufactured dimensional tolerance of approximately $\pm 0.8\%$ in length and width, and ± 2 mm in thickness. Dimensional variations can result from stack storage (elastic compression due to stack weight) and changes in thermal expansion and ambient temperature.

Recommended procedures to minimize dimensional variations:

- Ensure all slabs to be laid are at the same temperature throughout installation.
- Allow slabs to acclimate on the ground for 2 hours prior to final installation to regain original dimensions.
- Install all slabs in a single session to maintain similar installation conditions.

For optimal installation conditions, the ambient site temperature should have been above 4°C for at least 24 hours prior to installation. If site temperature 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.

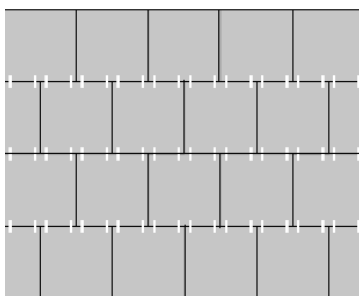
Do not install EUROFLEX® slabs if ambient temperatures below 4°C are expected at the installation site for an extended period.

Perpendicularity Verification and Reduction of Dimensional Variations

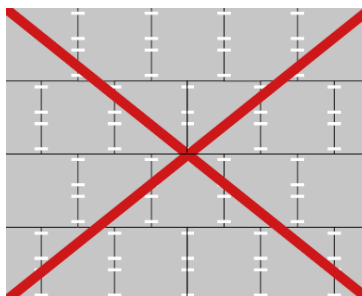
Installation of EUROFLEX® Aqua Slabs

Begin installation by placing the first row of EUROFLEX® Aqua Slabs precisely along the chalk line. Initiate the second row, and every alternate row thereafter, with a half slab. Connect the slabs in the second row to the first row using the integrated connector pins. The masonry-style arrangement provides stability for the installed slabs. Cut the final slab in each row to the required dimensions using a heavy-duty utility knife or a sabre saw.

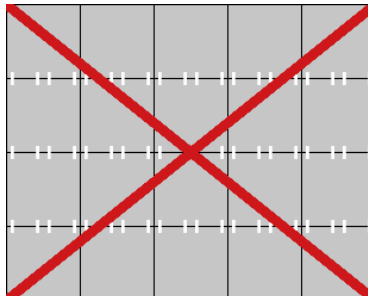
Correct: „T“-joints



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



Incorrect: cross joints



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Seite 3 von 9



Installation of sinuous areas

The subbase shall be even and clean, with a concrete border surrounding it to a thickness of at least 3 cm.



Depending on the varying concrete quality, it may be necessary to apply a specialized waterproofing layer.

Before installation, remove the slabs from the palette and place them in small stacks of 5–6 slabs each.

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Seite 4 von 9



Begin the installation along the longest straight edge at a right angle to the chalk line.



Then complete the installation up to the boundary. The subsequent installation should be performed in a T-configuration.



Install the slabs in a form-locking and jointless manner.
For sinuous slabs, it is recommended to use an identical former plate of paperboard or plastic.

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Seite 5 von 9

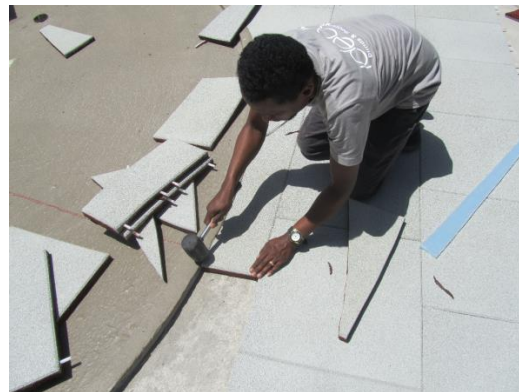
Mark the curve transfer on the identical former.



**Cutting with Cutter knife
or pad saw**



Fitting in the border area



Installation of concave areas

For installation in concave areas, it is recommended to adhere the slabs to the subbase using a two-component adhesive to ensure positional permanence.

The installation should be performed on the underside along a straight line.



The installation and bonding should also be performed in a T configuration up to the border.



All required recesses in the slabs must be prepared beforehand and adjusted accordingly.

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Seite 7 von 9



Maintenance of the installed EUROFLEX® Aqua Surface

Regular cleaning of the installed EUROFLEX® Aqua surface promotes a long service life and an attractive appearance. EUROFLEX® Aqua surfaces may be cleaned by sweeping with a soft-bristled broom or by vacuuming with an industrial vacuum cleaner. High-pressure water spraying may also be used, providing more effective removal of dirt from the surface pores of the slabs. EUROFLEX® Aqua slabs are not adversely affected by cleaning with most common household or industrial cleaners when diluted in accordance with the manufacturer's recommendations. Light surface stains may be removed with such cleaners using a scrubber or cleaning cloth.

Please note: Our EUROFLEX® warranty does not apply if the product has not been maintained in accordance with the maintenance instructions above.

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Seite 8 von 9



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Seite 9 von 9