

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.

Tools

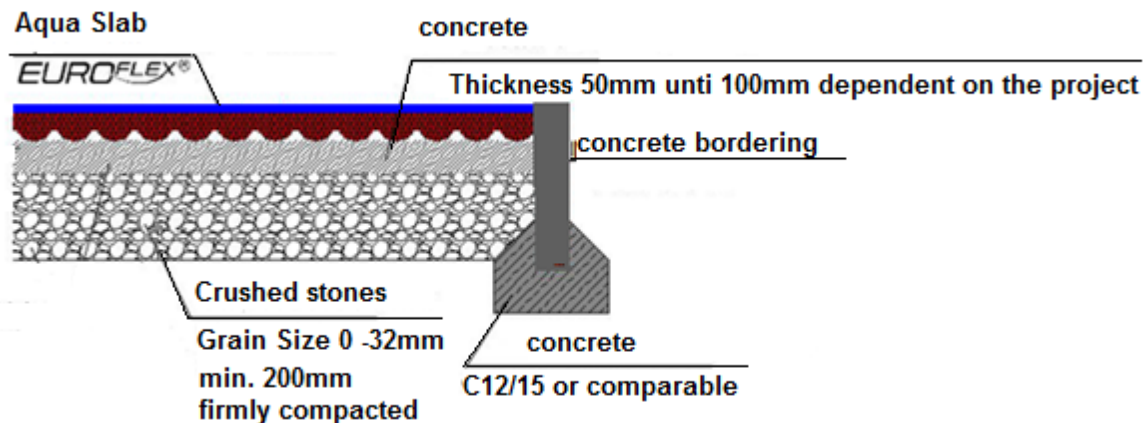
Measuring and marking: folding rule, chalk line, chalk



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/

Subsoil

Select the quality of concrete so that they have a specific stability against different types of water. Follow the guidelines EN 206-2 and DIN 1045-2.

Before installation and fix the different types of mounting parts of the basin in the formwork or reinforcement must be known for which types of waterproofing will be apply on the concrete. This proceeding is standardized in DIN 19643.

That purpose the mounting of floor drain in the areas of horizontal flow or also the force flow of the chambers with clean water. A waterproofing is necessary if the concrete not fulfilled the guideline „Water impermeable construction concrete-build“ by the germane DAfStb or comparable. Extra sealing actions are meaningfully.

The material must be working so way that the water quality would not affected in a negative way. In the germane standard DIN 19643-1 are all regulations for waterproofing systems and so on described.

It is recommended to ask a specialist.

Subsurface Design / Acceptance Criteria

EUROFLEX® Aqua slabs have excellent drainage properties.

Paved surfaces (such as concrete) must be level and have adequate take-off drains.

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

Preparation of the Subsurface

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 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.

Installation of square areas

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® 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.

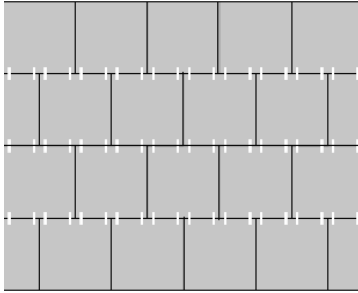
For ideal installation conditions, the ambient temperature at the site should have been over 4°C for at least 24 hours prior to installation. If the ambient temperature at the site is below 4°C, store the slabs to be installed in a dry area at a temperature of at least 10°C for at least 72 hours prior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

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

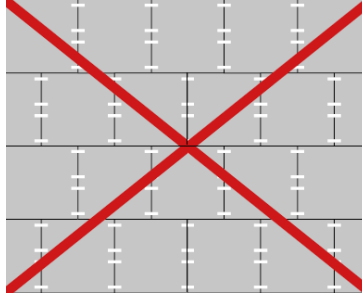
Installation of EUROFLEX® Aqua Slabs

Install the first row of EUROFLEX® Aqua 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 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.

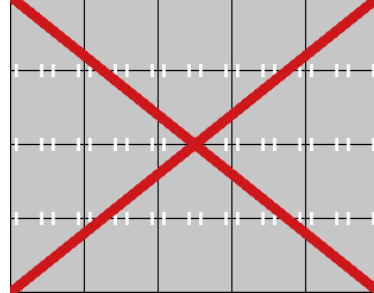
Correct: „T“-joints



Incorrect: „T“-joints Installed in line



Incorrect: cross joints



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Installation of sinuous areas

The subbase must be even, clean and have a concrete bordering around in the thickness of minimum 3cm.



Based on the different quality concrete quality it could be needful to coat a special waterproofing shift.

Before installation destock the slabs from the palette and put them to smaller quantity of 5-6 slabs on top of each other.



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Start the installation on the longest even edge in right angle follow the chalk line.

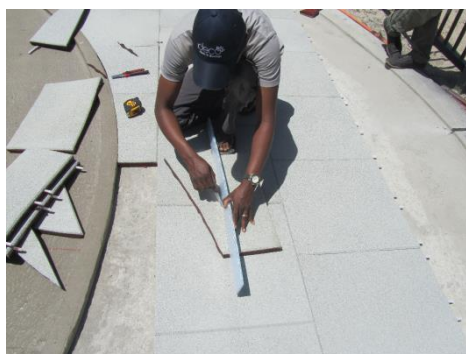
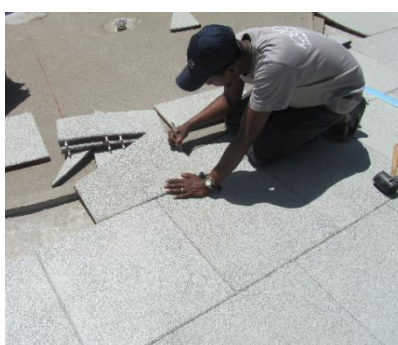


After that installation close the part to the bordering.
The further installation should be done in T – Configuration.



Install the slabs form-locking and joint less.
For sinuous slabs section it is recommended to work with equal former plate of paperboard or plastic.

Mark the curve Transfer on the equal former



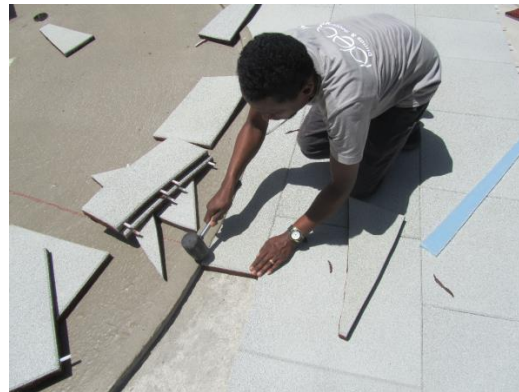
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Cutting with Cutter knife or pad saw



Fitting in the border area



Installation of concave areas

It is recommended by the installation of concave areas to glue the slabs with the subbase under using a 2 component glue to guarantee the position permanence. The installation should be done in the under part along a straight line.



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The installation/bonding should be done also in T Configuration until the bordering.



Every needful recess into the slabs must be done before and adapt.



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Maintenance of the installed EUROFLEX® Aqua Surface

Regular cleaning of your installed EUROFLEX® Aqua surface will promote a long useful life as well as attractive appearance. EUROFLEX® Aqua surfaces can be kept clean by sweeping with a soft-bristled broom or vacuuming with an industrial vacuum cleaner. High pressure water spraying can also be used to clean EUROFLEX® Aqua surfaces and provides more efficient dirt removal 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 manufacturer's recommendations. Light surface stains can be removed with such cleaners using a scrubber or a cleaning rag.

Please note: Our EUROFLEX® warranty is not applicable if the product has not been maintained in accordance to our maintenance instructions above.



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