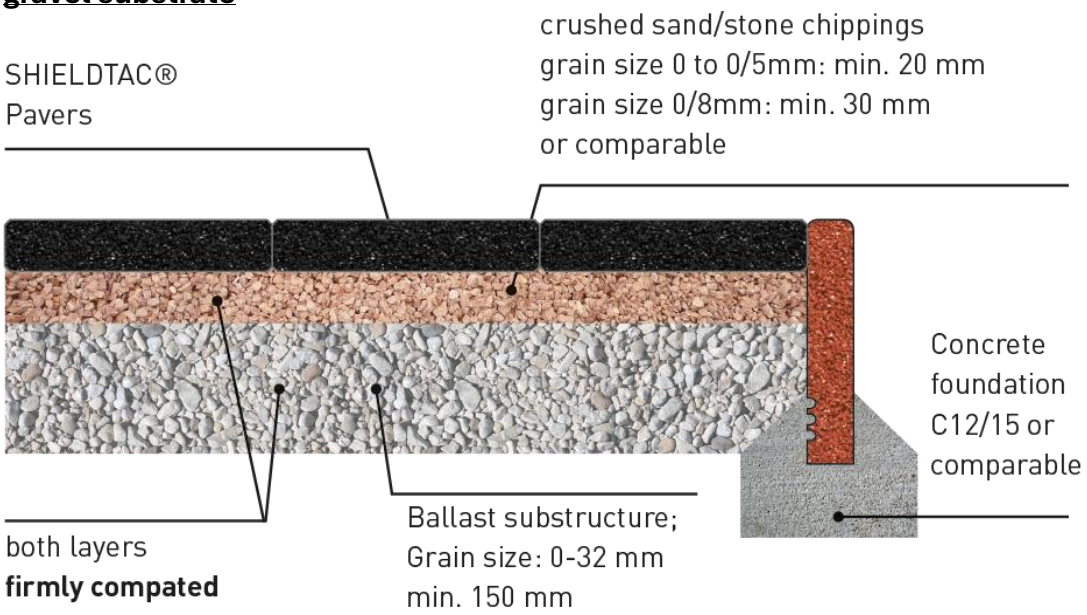
Installation Recommendation **SHIELDTAC®** pavers

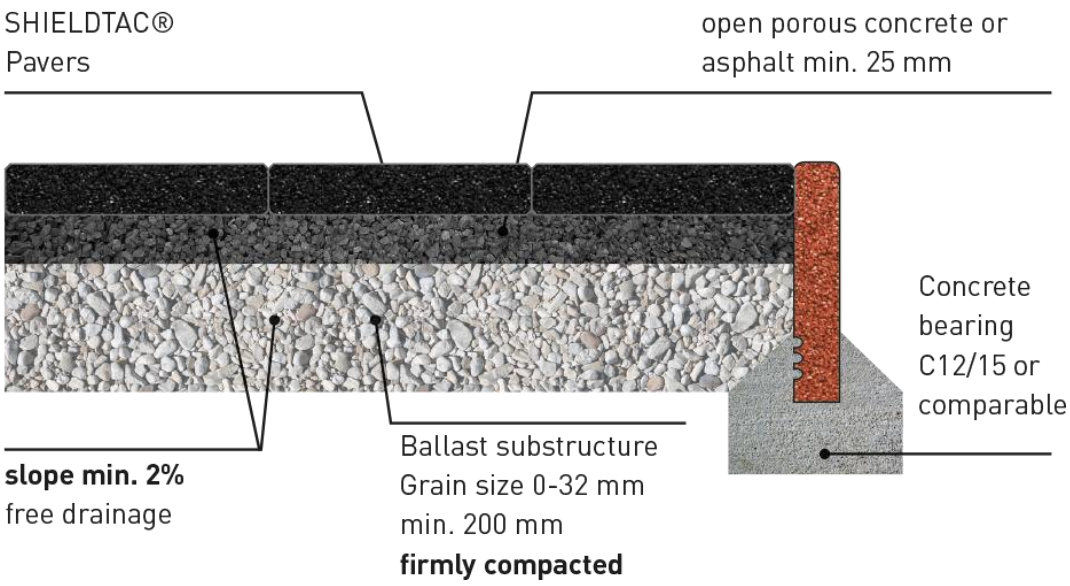
1. Substrate

SHIELDTAC® pavers can be installed on a concrete or a gravel substrate, which must be prepared before installation.

1. gravel substrate



2. concrete substrate



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Before installation begins, the substrate must be prepared and inspected in accordance with the required construction depth, including the thickness of the pavers. Proper preparation of the substrate, as well as an acceptance inspection, must be ensured.

The substrate must meet the following requirements:

- even
- load-bearing
- drainable (outdoor) / dry (indoor)
- clean
- free from loose particles

For external installations, a slope of approximately 2% and adequate drainage must be ensured.

Any unevenness greater than 3 mm must be levelled using suitable materials.

2. Preparation work

SHIELDTAC® pavers must be stored at the installation site before installation to allow them to acclimatise to the ambient conditions.

Installation should only be carried out if the ambient temperature has been above +4°C for at least 24 hours.

At lower temperatures, **SHIELDTAC® pavers** must be stored in a dry location and conditioned to the appropriate installation temperature before installation.

3. Installation

Start installation at a corner along an existing edge restraint. Begin with a starter paver (straight edge) and install the first row along the boundary.

Start the second row with a half paver to create the required staggered pattern. Subsequent rows are laid continuously, following the appropriate laying pattern.

During installation, ensure that:

- the pavers are fitted tightly together
- the joints are kept free of dirt

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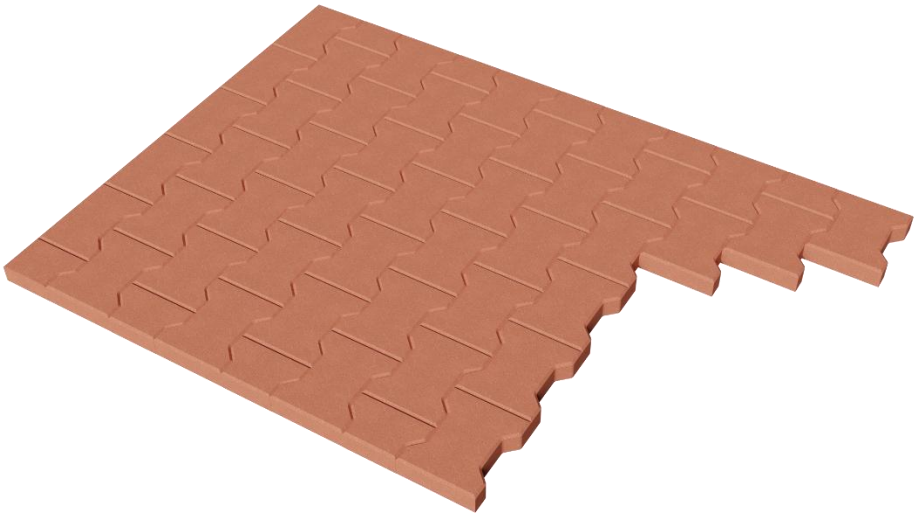
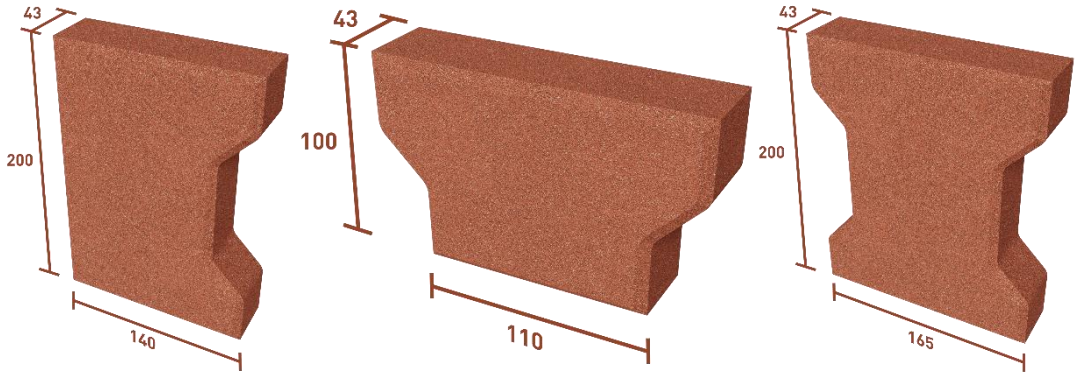


Laying Pattern

If necessary, starter stones and half-stones can be bonded to one another and to the edge restraint.

Adjustments to irregular areas are made by cutting the stones and, where appropriate, by additionally bonding them to adjacent elements or to the substrate.

In curved sections, hollows, or areas with a slope, appropriately adapted stone formats (e.g., half-stones) must be used.



Paver geometries (left to right): Starter – Half – Full

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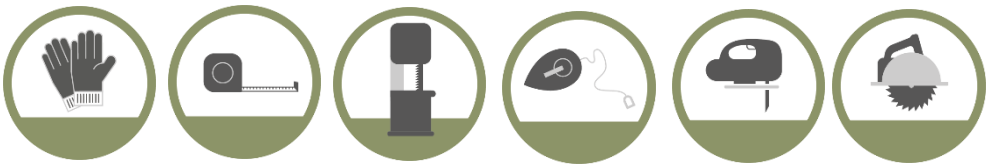
4. Important details

Installation must be carried out on a suitably prepared substrate. Once installed, the surface is immediately ready for foot traffic and use.

It is recommended that installation be carried out under consistent site conditions and if possible, within a single working day.

Suitable line-marking paint, such as our GLP-MW line-marking paints, must be used to mark lines or areas. The manufacturer's application instructions must be followed.

Required tools for the installation



Gloves | Measuring tape | Band saw | Chalk line | Jigsaw | Hand-held circular saw

Cutting

The pavers must be cut accurately to ensure clean, precisely fitting edges and to avoid open joints or exposed areas.

- **SHIELDTAC® pavers** are best cut using power tools.

Suitable tools include:

- **Jigsaw** with suitable saw blades (e.g. **Bosch T345XF** or **T313AW**), operated at a high stroke rate.
- **Circular saw** (approx. ≥ 1400 W, ≥ 5,500 rpm, cutting depth ≥ material thickness) with a coarse-toothed blade
- **Band saw** for precise cuts

When using saws, ensure that the paver is securely fixed to prevent vibration and inaccurate cuts.

Cut with a steady feed rate and appropriate cutting speed to prevent material damage and ensure a straight cut.

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Material properties

- A characteristic material odour may be noticeable. It will decrease over time and can be reduced by regular ventilation.

Claims:

- Inspect the goods before installation
- If any visible defects are identified, stop installation immediately
- Report any claims immediately and before installation
- If the defect is visible before installation, claims can only be accepted for uninstalled products
- Document all defects with sufficient evidence (e.g. pictures)
- Report any transport damage to the carrier immediately upon delivery

DISCLAIMER:

These recommendations for applications and installation are based on our extensive experience and on current technological practice. Our liability and responsibility in the event of damages shall be limited to the extent defined in our General Terms and Conditions of Business, regardless of the above recommendations or of any statements made or advice given by our sales representatives or applications engineering staff. Ensure that sufficient self-testing is carried out in advance.

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