

Installation instructions

07.07.2016

Kebony US

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Kebony terrace and pier decking

General information

The base construction must be completed in accordance with good building practice, applicable standards and regulations. Ensure that there is good ventilation underneath the terrace and avoid pooling water.

Maximum recommended joist spacing (c/c) is 60 cm for Kebony character (Scots Pine) and Kebony clear (SYP). For 22 mm Kebony clear (Radiata), the maximum recommended joist spacing is 50 cm.

For information about cleaning and maintenance, refer to Kebony's Use & Maintenance documentation.



Kebony character (Scots Pine): max 60 cm

Kebony clear (Radiata) 22 mm: max 50 cm

Kebony clear (SYP): max 60 cm

Mounting

Rust-proof (A2) or acid-proof (A4) screws must be used. Screws with another type of corrosion protection can result in black spots around the mounting holes.

Self-drilling screws are recommended. When using traditional wood screws, Kebony clear (SYP/radiata) must always be pre-drilled. Even if using self-drilling screws, the edge of the boards should always be pre-drilled prior to mounting.

Terrace boards with side tracks can be secured with hidden fixtures – see the installation guide.

Metal fixtures

Kebony can be used with aluminium fixtures and enamelled or foiled fixtures without discoloration.

However, in some cases surface water runoff from Kebony products can result in discoloration of adjoining materials, for example black stains on zinc plated fixtures/fittings, or copper fixtures where exposed parts of the fixtures remain polished.

Drainage from galvanized or iron-based fixtures onto Kebony products can result in black stains on the wood.

Treatment of cut ends and surface treatment

Kebony does not require any surface treatment. If desired, UV-protective wood oil or stain can be used to maintain some of the original brown color. Kebony can also be painted or stained if you want to change the color. Remember that treated surfaces require regular maintenance.

Cut surfaces on Kebony character (Scots Pine) products must be treated with an anti-parasite/fungal agent. Follow the manufacturer's instructions.

Cut surfaces on Kebony clear (SYP/Radiata) products do not require further treatment or end sealing.

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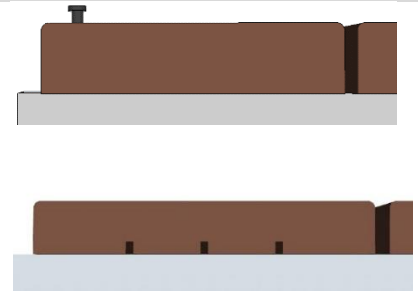
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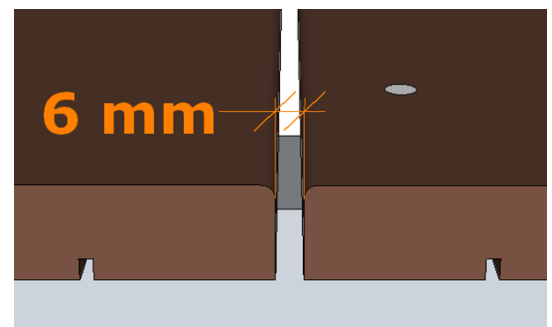
Board orientation

The terrace boards should be installed so that the side with the rounded edges face up. Any tension release grooves will then face down toward the base construction.



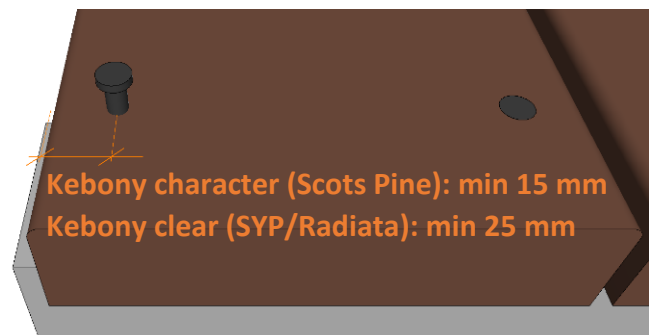
Installing with screws

The boards must be installed with a 6 mm minimum gap between them. This also applies for installation using retaining clips for hidden mountings. Kebony is dried during production, and therefore there may be some swelling when it is installed outdoors. The gap opening will ensure good ventilation and drainage of the surface water.



Do not insert screws near the edge of the board. Recommended minimum distance is 15 mm for Kebony character (Scots Pine) and 25 mm for Kebony clear (SYP/Radiata).

Terrace boards with side tracks can be secured with hidden fixtures – see the installation instructions for the retaining clips for details on installation.



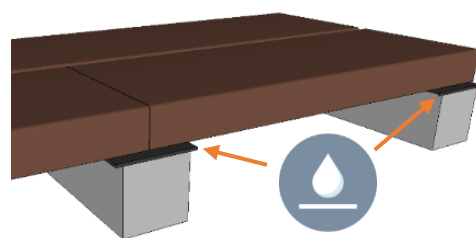
Tips when installing a terrace

Steps and framing

In the staircase and on the visible board edges, terrace boards without any side tracks should be used; these can also be cut away. This avoids breakage and provides a cleaner appearance.

Establish a barrier between the terrace boards and the base construction

In order to significantly reduce the amount of moisture in the base construction and to preserve it as much as possible, it is recommended to create a border between the terrace boards and the base construction, for example, by adding in a layer with roofing paper, etc.



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Kebony hidden installation

General information

Kebony terrace boards with side tracks can be mounted with clips for hidden installation. Kebony provides two systems; Lumber Loc and Kebony Terrace Clip.

Other hard wood clips may be used with reference to manufacturer's installation guides.

Hidden installation Lumber Loc

Brackets

Lumber Loc is delivered complete with its own screws. Screws for stabilizing ending, starting or finishing boards must be purchased separately.

Mounting starting, ending, and finishing boards.

The first board to be mounted must be secured with traditional terrace screws to prevent the boards sliding along their length or width.

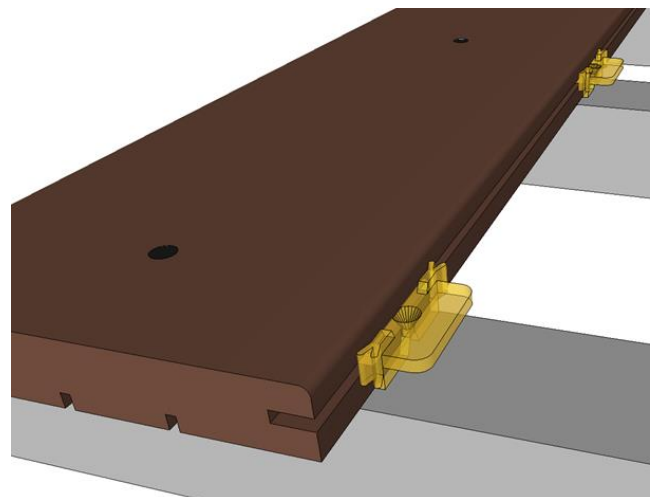
The end of the board must be secured with a terrace screw in the outermost stud to prevent the board from sliding lengthwise.

The last terrace board, like the first, must be secured with traditional terrace screws to prevent the boards sliding along their length or width.

Installation with Lumber Loc

After the first board is installed, the subsequent boards are mounted using Lumber Loc retaining clips:

1. Place the retaining clips in the side tracks of the terrace board. One clip for each beam (do not screw these tight yet).



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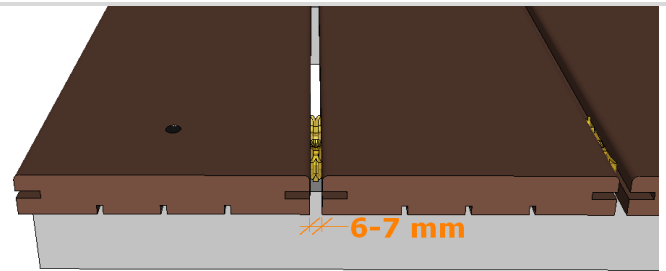
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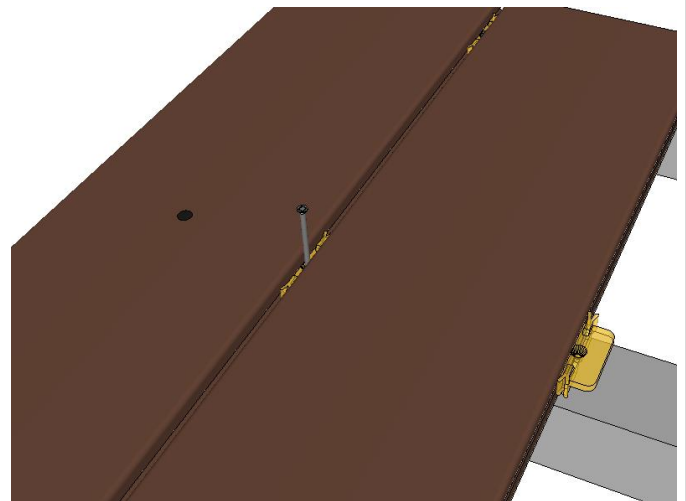
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2. Move the subsequent terrace board in place. Be careful that the "wings" of the clip are not pressed together. These will show the correct mounting distance (6-7 mm)



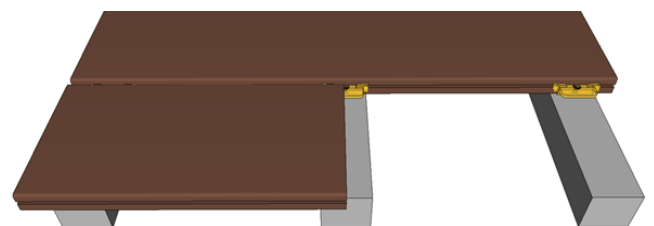
3. Tighten the retaining clips. Adjust the tension so that the screw does not screw through the retaining clip.



4. Install the last board, like the first, using traditional terrace screws.

Joining boards

Two boards can be joined together over a single stud by pushing each board halfway into a retaining clip.



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Hidden installation: Kebony Terrace Clip

Mounting fixtures

Kebony Terrace Clip must be combined with matching starting and ending clips. Starting and ending clips are purchased separately.

Both the actual terrace clips and the accompanying starting and ending clips are supplied with their own screws.

Installing the first board

The first board should be installed with its own starting clips and matching holders. In order to secure proper ventilation, the first board should be mounted with a minimum distance of 10 mm to the wall or other building structures.

First, screw a holder into each beam using the accompanying screws (4x25 mm). Make sure that the little arrow on the holder turns upward and points in the direction of where the terrace will be built (figure 1 and 2).

Place the first board on the base construction and mark the middle of each holder. Mount the starting clips on the underside of the first board. The lip of the clip should be 3 mm from the edge of the board (figure 3 and 4).

When all of the clips are mounted, lay the board onto the base construction and push the lips into the holders (figure 5 and 6). N.B. Do not push too hard.

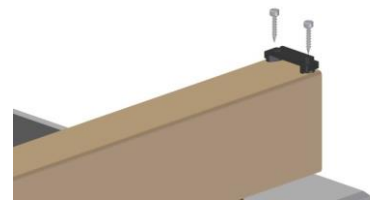


Figure 1 Installing holders on the beams



Figure 2 Install a holder on each beam

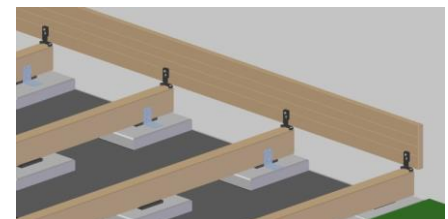


Figure 3 Move the spacer between the holders to the first terrace board.



Figure 5 Mount starting clips on the underside of the first terrace board



Figure 4 Place the board on the base construction



Figure 6 Push the lips into the holder on the base construction

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Installing the subsequent boards

Once the first board is moved into place, push the terrace clips into place underneath. Place a terrace clip on each beam. Do not tighten the terrace clips yet.

A spacer is included in the box with the terrace clips. Use the spacer marked with 6 mm to ensure the correct distance between the boards (figure 7).

Push board number two next to the first board. Then move the terrace clips in place, one on each stud.

Use the spacer to ensure that the distance between the boards is correct and secure the first row with terrace clips (figure 8).

Install the remaining boards using the same method (figure 9).

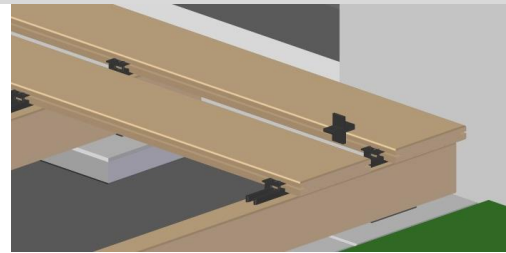


Figure 7 Using spacer

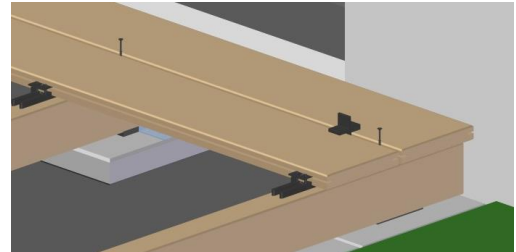


Figure 8 Do not screw the terrace clips in place until the subsequent board is properly in place



Figure 9 Installing the remaining boards

Installing the last board

The outermost side track on the last terrace board should be sawn off.

Place the board on the base construction, with the backside up. Note on the terrace board where it hits the base construction. Screw the thickest part of the end clip onto the board so that it acts as a spacer – a single clip for each beam (figure 10 and 11).

Place the board on the base construction and move it into place. (figure 12).

Screw the clip in place on the base construction from the side with the accompanying screws (4x25 mm) (figure 13).

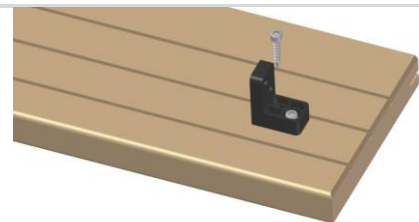


Figure 10 Secure the thickest part of the end clip on the underside of the terrace board.



Figure 11 One end clip for each beam

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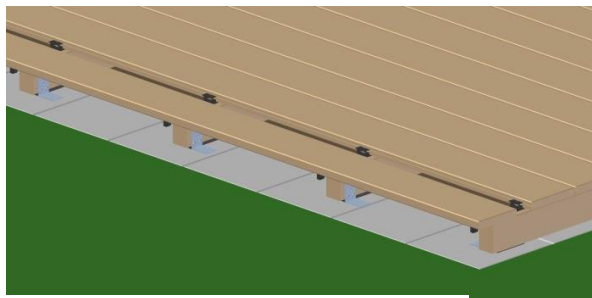


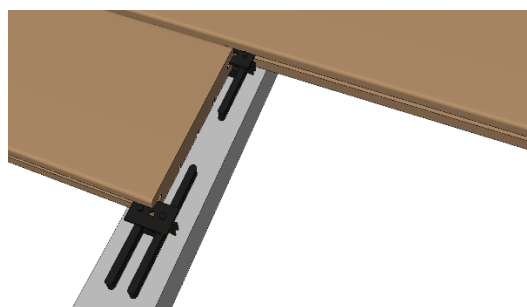
Figure 13 Move the board into place



Figure 12 Screw the end clip on the base construction

Joining boards

Two boards can be joined together over a single stud by pushing each board halfway into a terrace clip.



Alternatively, double studs can be used, where the boards to be joined are secured to each stud.

