Installation Guide

Kebony Clear Passive Rainscreen

Please read these guidelines carefully, and if you have any questions, **e-mail: info@kebony.us** or **call: +1 833.795.8660**

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Preparing for Installation

SAFETY GUIDELINES

Installing the Kebony Clear Passive Rainscreen (PRS) system is a construction project, therefore you should wear protective clothing and safety equipment such as, but not limited to, safety glasses, gloves, long sleeves, and a mask, particularly when cutting wood.

The installer is responsible for identifying and following all building codes and construction safety practices. Kebony accepts no liability or responsibility for the improper installation of this product.

Kebony Clear PRS cladding may not be suitable for every application, and it is the sole responsibility of the installer to ensure that this profile is fit for the intended use. Because all installations are unique, it is also the installer's responsibility to determine specific requirements for each siding application.

Kebony recommends that all applications be reviewed by a licensed architect, engineer or local building official before installation.

STORAGE

Kebony should not be exposed directly to the elements prior to installation. Kebony should be kept covered with plastic tarp or other waterproof material prior to installation.

PREP

Perform all necessary preparatory work for your specific project, (e.g. building wrap, flashing, window frames, etc.)

Metal Fixture Considerations: While stainless steel fixtures are ideal, Kebony can be used with aluminum, enamelled, powder-coated or foiled fixtures without concern for discoloration. However, in some cases surface water runoff from Kebony can result in discoloration of adjacent materials. For example, it could cause black stains on zinc fixtures or polished copper.

Drainage and runoff from galvanized or iron-based fixtures onto Kebony can result in black discoloration of the wood.

RECOMMENDED TOOLS & EQUIPMENT

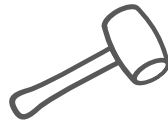**Electric Saw (Table, Chop etc.)**

• With a fine carbide blade

Miter saw

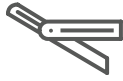**Drill (Cordless or Corded)**

• With Carbide Drill Bit for Pre-Drilling
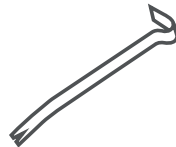
Ladders and/or scaffolding

Rubber Mallet

Level

T-bevel

Hammer

Chalkline

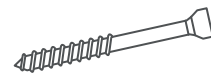**Laser Level**

Flat pry bar

Utility Knife

Measuring Tape

Pencil

Trim Head Stainless Steel Screws

(Included with PRS clips)

GENERAL INSTALLATION GUIDELINES

The Kebony PRS system can be installed horizontally, vertically, diagonally or as a soffit.
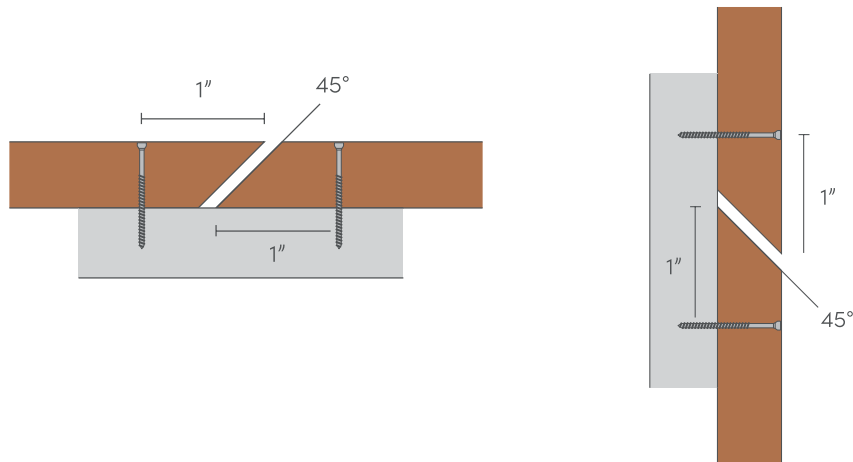
Ground Clearance: Allow for 12" clearance above grade.

Fastener type: All 316 stainless steel screws required for use with the marine grade aluminum PRS clips are included with the PRS system. When face-fastening is necessary, use trim head stainless steel screws - all holes should be pre-drilled. Screw head size, length, and grades are to be selected by the installer based on site specifics.

Spans/Clip Spacing: A maximum 24" span between clips is supported.

Butt-jointing boards: When butt-jointing Kebony cladding, cut the end joints at 45 degree angles to form an overlapping joint (Scarf Joint). This is particularly important for vertical installation. Ensure joints meet on studs, blocking or furring strips. For vertical applications, the joint cut should slope downward from the back towards the front.

Wherever possible, use full length boards. If there is a field cut scarf joint, then the PRS clip will no longer work on those edges, so a screw has to be used.

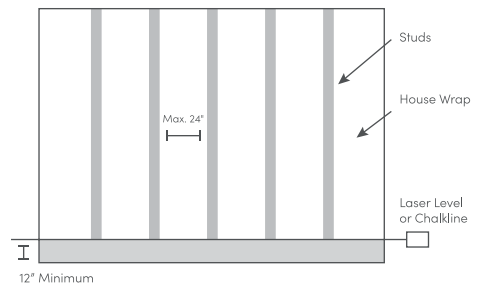Do not pre-drill or fasten Kebony within 1" of the edge.

HORIZONTAL APPLICATIONS

The Kebony PRS System automatically creates an air gap of either 3/4"
(high-profile clip) or 3/8" (low-profile clip). Be sure to choose the correct clip
profile for your project.

The PRS clips should be installed directly to the studs over a suitable house
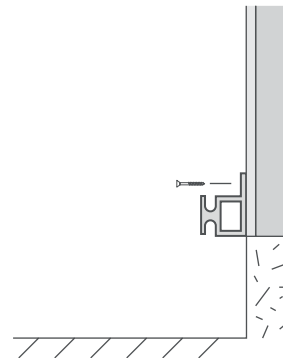underlayment or drainage wrap. Studs should be placed no more than 24" on center.

1 Begin at the bottom and work up.
Set a level line across all walls using
a conventional or laser level.

Studs

House Wrap
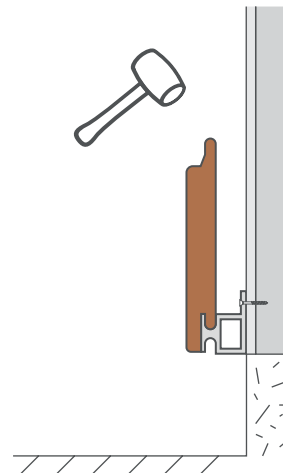
Max. 24"

Laser Level
or Chalkline

12" Minimum

2 Place the first PRS clip on the first stud in
line with the laser level or chalk line. With the
screw holes facing up, install the first line of
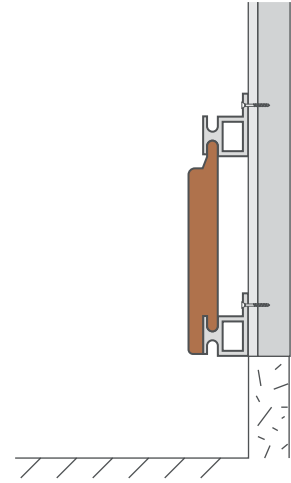clips across the wall.

3 Measure and cut each board to length and
lay the grooved edge into the clip. Securely
tap it into place with a rubber mallet so that it
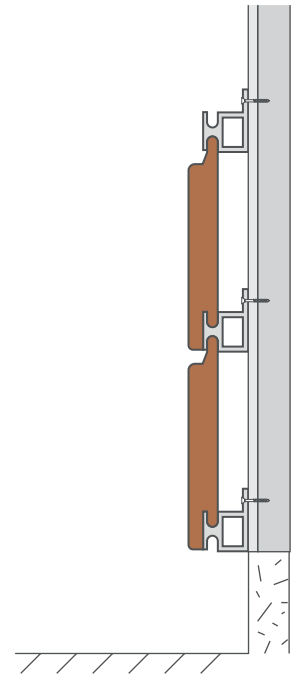is properly seated in the clip.

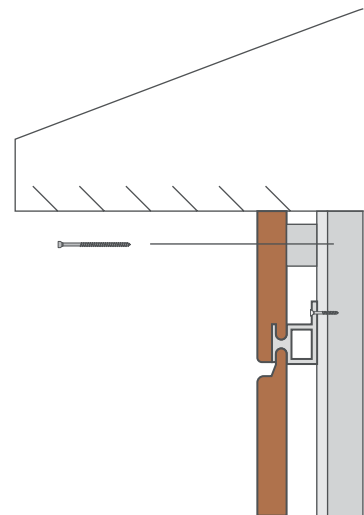**4** Secure the next set of clips by repeating step 2.

5 Repeat steps 3 & 4 and check that the boards are level every few boards.

6 Top board(s) at the roofline may need to be custom cut. If the top is horizontal, the top board may need to be ripped to width and should be face fastened to blocking behind the cladding. If the roofline has a slope, multiple boards will likely have to be cut at angles on the end(s). Various tools are available to help determine the angle.

KEBONY CLEAR PASSIVE RAINSCREEN

VERTICAL APPLICATIONS

The Kebony PRS system automatically creates an air gap of either 3/4"
(high-profile clip) or 3/8" (low-profile clip). Be sure to choose the correct clip
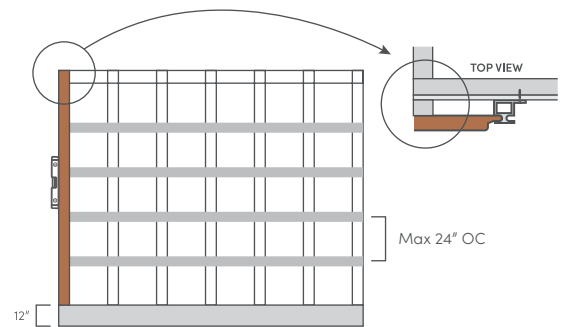profile for your project.

The PRS clips chould be installed directly to the studs over the suitable house
underlayment or drainage wrap. Vertical installation requires horizontal studs placed
no more than 24" on center.

Before installing your first board, take a moment to consider where your vertical
joints will align with respect to windows and doors. This way you can plan ahead
and avoid having especially narrow boards installed in those locations or at the
end of your siding.

1 Use a level to ensure the first vertical board
is installed plumb. With the first board, if
necessary for fit, rip the board to width and
face fasten the corner with blocking behind
the board to account for the PRS clip.
Remember to pre-drill the board at least 1"
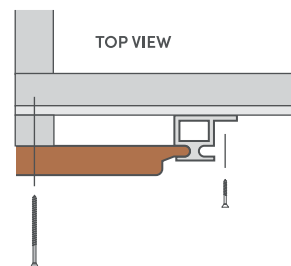from the edge.

When face fastening Kebony, you may use
the optional Starborn Pro Plug® System for
Wood to hide the face fasteners.

TOP VIEW

Max 24" OC

12"

Corners details are the choice of the architect and project owner. There are many
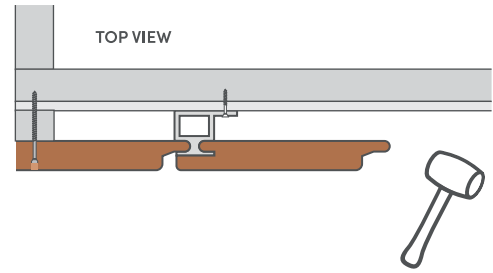options, including, but not limited to mitered corners, corner boards, trim boards, etc.

2 Install the first column of PRS clips along the
edge of the first board. Start at the bottom
of the wall and move up. Secure the clip
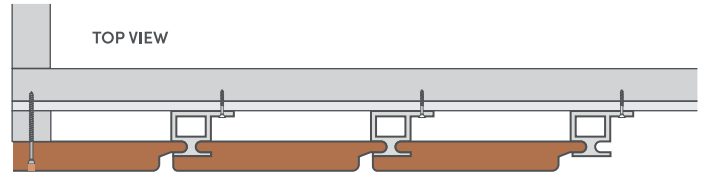with the screw holes facing out from the
edge of the board.

TOP VIEW

3 Measure and cut each board to length and lay the grooved edge into the clip. Securely tap it into place with a rubber mallet so that it is properly seated in the clip.

TOP VIEW

4 Repeat steps 2 & 3, checking that the boards are level every few boards.

TOP VIEW

5 Top board(s) at the roofline may need to be custom cut. The end of the boards should be face fastened to blocking behind the cladding. Use stainless steel screws and pre drill hole at least 1" from the end of the board. If the roofline has a slope, multiple boards will likely have to be cut at angles on the end(s). Various tools are available to help determine the angle.