Sicaro™ is a high performance wood produced from sustainably sourced, fast-growing softwood that is fortified using a non-toxic water bourn formulation. This process results in a durable, stable, and aesthetically pleasing material with performance comparable to the most durable tropical and premium hardwoods with industry-leading environmental credentials. Sicaro is suitable for Class 3 applications. When used outdoors there should be at least 6-8 inches or more above soil level to allow proper ventilation, prevent splash-back of dirt and rain, and avoid trapped moisture to ensure minimum 55-year above-ground lifespan.

Benefits



Locked in Performance



Recyclable



Non Toxic Recyclable



Durability



Fire Standard



Guarantee

Sub-Frame Requirements

To ensure optimal performance, Sicaro siding rain screen should be installed on a suitable frame within a ventilated façade system, characterized by continuous ventilation behind the cladding boards, with inlets and outlets at the top and bottom of the façade. This setup removes rainwater and condensation behind the cladding and maintains insulation effectiveness.

Ventilation

If only horizontal support battens are used, ensure sufficient ventilation (20 inches2 per 3 foot horizontal length) by making cut-outs in the battens or interrupting them at regular intervals. Chamfer horizontal battens on the top edge to shed water outward. Apply a suitable sealer to prevent water penetration at the end grain of vertical battens.

Spacing and Materials

The sub-frame should have a maximum spacing of 24 inch on center, with vertical timber battens of at least 1½ inch x ¾ inch when fully supported by a substrate. Horizontal battens and counter battens should be at least 2 inch x 1 inch. Use support battens with a durability class of 1 or 2.

Cutting Sicaro boards

It is recommend that Sicaro boards are cut using a conventional chop saw with a tungsten carbide blade with 60 or more teeth. Any burrs can be sanded smooth using 150grit paper. For comfort and appearance neatly cut and chamfer or bevel all ends and edges.

All cut ends should be protected with a good quality wax or end seal products – always apply following the manufacturers instructions.

Storage

Sicaro decking should be stored in a dry place out of the elements prior to instillation.

Discoloration Prevention

To prevent discoloration from extractive leaching, apply a barrier between the sub-frame battens and the boards. Timber support battens should not be used above 60 feet.

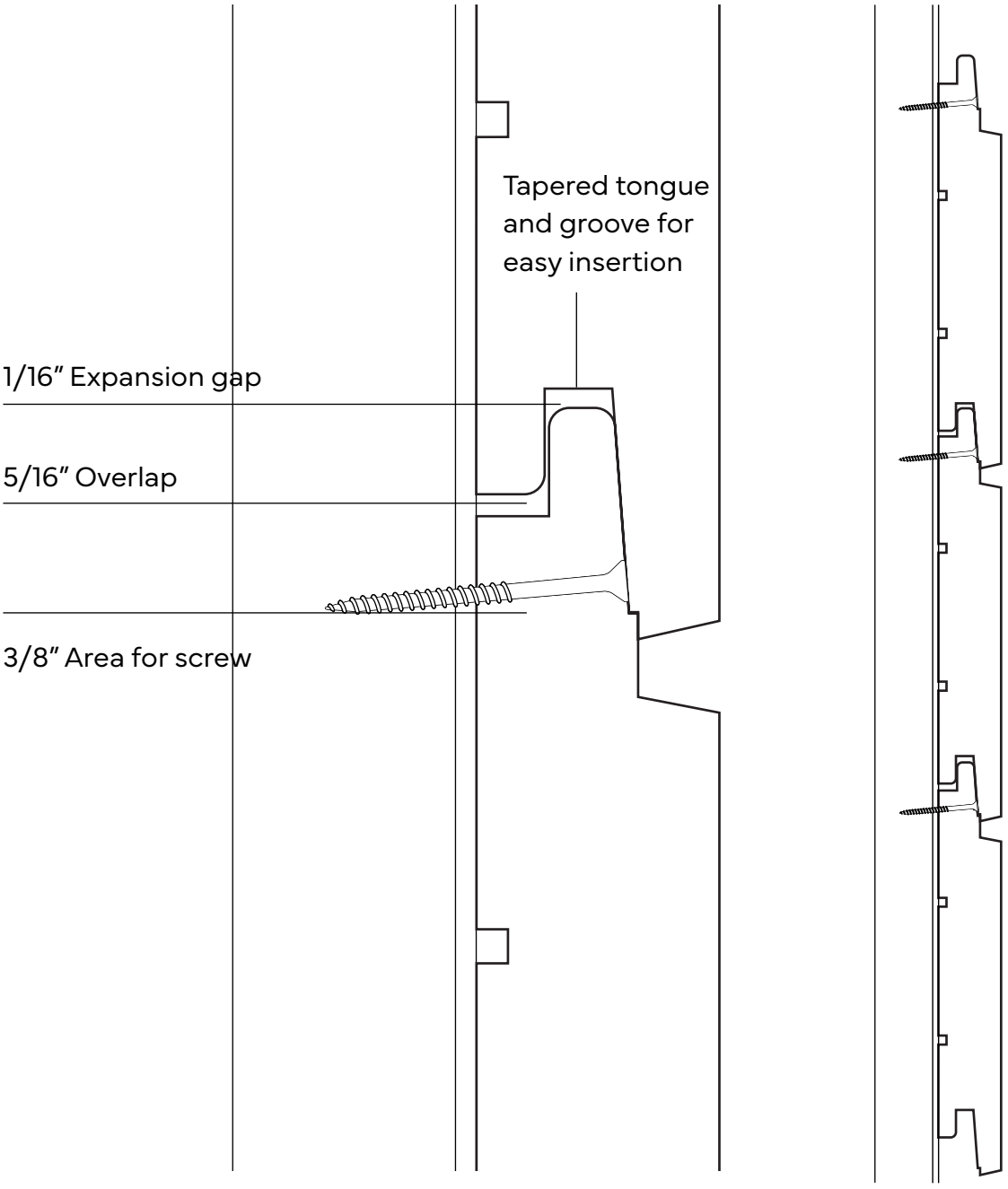
Fastening

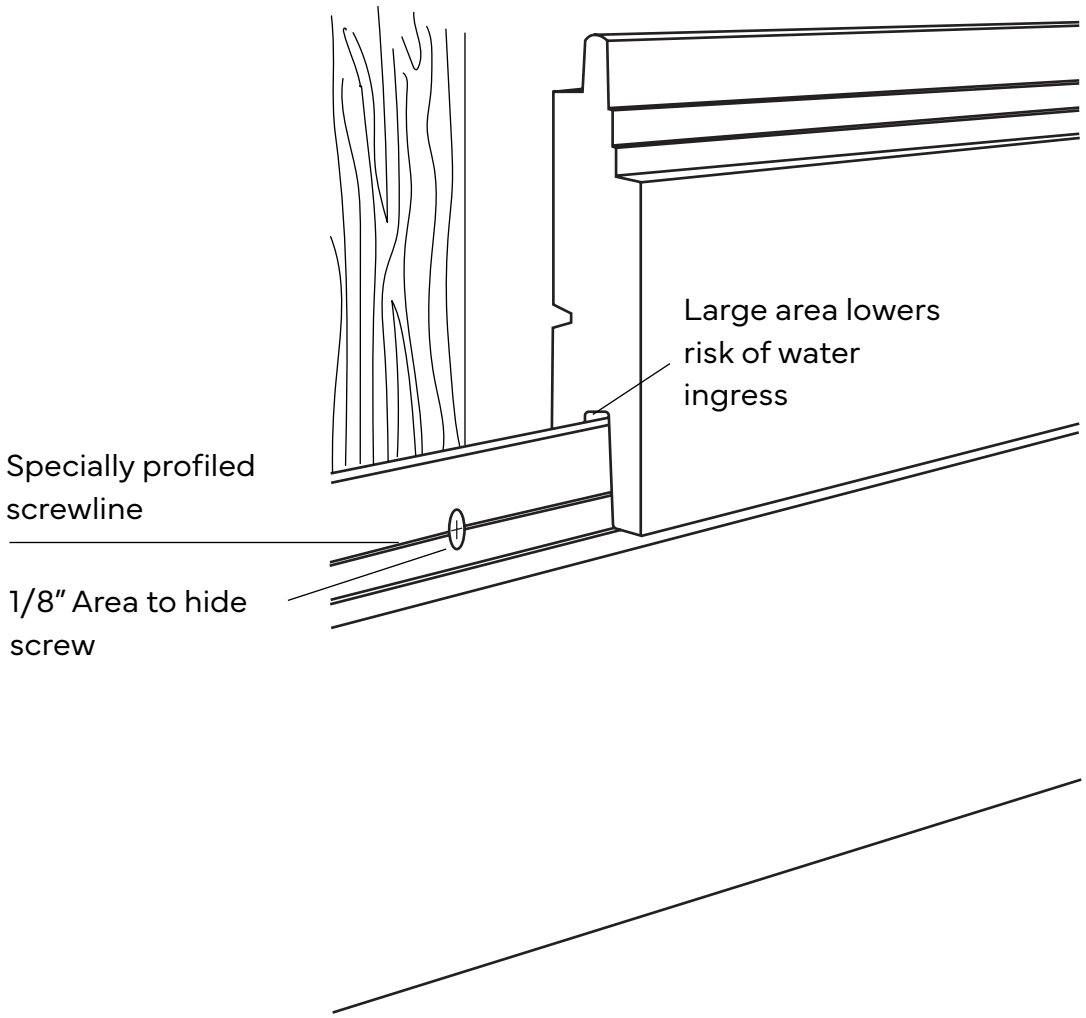
Sicaro is suitable for standard cladding types and requires no special tools or detailing. It can be cut, profiled, and routed without the instability issues common to traditional wood cladding.

Use ring shank nails or screws made of stainless steel grade 1.4301 for general applications or grade 1.4401 for coastal or industrial sites. Avoid staples, driving nail or screw heads into the wood, and using T-nails or lost head nails. For durable fixation, pre-drill holes 3/64 inch smaller than the screw shank diameter or 80% of the nail diameter, and maintain a minimum distance of 2 inches from the board end and 9/32 inches from the top and bottom edges. Ensure nail point side penetration into the sub-frame is at least 6x the diameter for ring shank nails or 12x the diameter for smooth nails.

Vertical Cladding

For vertical cladding, a double sub-frame with horizontal support battens on vertical counter battens is best. Chamfer the top side of the horizontal battens to shed water into the cavity.


Tapered tongue and groove for easy insertion
1/16” Expansion gap
5/16” Overlap
3/8” Area for screw


Large area lowers risk of water ingress
Specially profiled screwline
1/8” Area to hide screw

Finishing

Refer to Sicaro Maintenance Guide for more information. We recommend Sicaro rain screen is protected using a quality oil suitable for the region the product is installed and applied to all faces, sides and sealed ends.

Your Sicaro rain screen colour will mature over time but regular application of quality penetrating oils in accordance with the manufacturers instructions will protect the deck surface and color.

General Installation Guidelines

Ground Clearance: Maintain a 12” clearance above grade.
Fastener Type: Use trim head stainless steel screws, pre-drilling all holes.
Face Fastening: Face fasteners can be hidden using the Pro Plug® System for Sicaro Wood.

Spans: Secure the board at each end, with a maximum 24” span between fasteners.

Butt-Jointing: For butt-jointing, cut end joints at 45 degrees to form an overlapping joint (Scarf Joint), ensuring joints meet on studs, blocking, or furring strips. For vertical applications, slope the joint cut downward from the back towards the front.

Specific Application Instructions

Horizontal Applications

Rainscreen Configuration: Install Sicaro cladding in a rainscreen configuration to create an air gap between the cladding and house wrap. Use furring strips at least 1/4" thick and 2" wide, spaced no more than 24" on center.

Alternatively, use a ventilated underlayment or drainage mat system, attaching Sicaro cladding to studs placed no more than 24" on center.

Vertical Applications

Rainscreen Configuration: Install Sicaro rain screen a configuration to create an air gap between the cladding and house wrap.

Use furring strips at least 1/4" thick and 2" wide, placed at a 15-45 degree angle for drainage, spaced no more than 24" on center.

Alternatively, use a ventilated underlayment or drainage mat system, attaching Sicaro rain screen to studs placed no more than 24" on center.