

KLAASWOOD®

Siding Installation Guide

Disclaimer	Installation
Before installing KLAASWOOD® verify compliance with local building codes for your project to ensure it aligns with regional requirements. Additionally, consult your local building office to understand any necessary permitting requirements. Please note that drawings and schematics indicating screw and nail placement are provided for reference purposes only. When working with KLAASWOOD®, always prioritize safety by wearing safety glasses and a dust mask. Activities such as drilling, sawing, sanding, or machining wood products generate wood dust; hence, avoid inhaling it or use a dust mask and other protective measures. For added protection, KLAASWOOD® recommends sealing cut boards with a clear, water-resistant penetrating sealant.	- KLAASWOOD® should be installed over a rainscreen to facilitate proper airflow and water drainage for optimal performance. Maintain a gap of ½" or more to ensure adequate air circulation and drainage within the wall cavity. Drainage house wrap or furring strips, spaced no more than 24 inches apart, should be securely nailed directly to vertical support studs or sheathing. - It's crucial to ensure that each board is fully set on the previous one, creating tight seams between boards to enhance the overall installation quality. - Secure the KLAASWOOD® product to structural framing, sheathing, or other materials. Double-nail it, maintaining a maximum spacing of 24" on the center or staggering nail every 12" or less. Ensure that nail heads are driven snug with the material surface, avoiding overdriving or countersinking the fasteners. Fasten the material from one end to the other, avoiding the practice of nailing from both ends towards the center to prevent undue stress on the wood. - When applying KLAASWOOD®, it is crucial to install them exclusively on well-ventilated and dry structures. Avoid installation over wet sheathing to mitigate potential problems. - KLAASWOOD® can be installed either horizontally or vertically. The interlocking nature of T&G profiles reduces the visibility of fasteners. When installing horizontally, begin at the bottom with the groove edges facing downward. For vertical applications, start at one corner with the grooved edge facing the adjacent wall. Use a level or plumb line to ensure the first board is installed vertically, and trim the grooved edge if necessary for a flush fit. - INTERIOR installation of Thermally Modified Wood within conditioned space does not require the use of "batten strips" or a rainscreen. Maintain a distance of at least 6" above finished grade or landscaping. Ensure a minimum of ½" above brick or concrete, with proper flashing in all applications to prevent water infiltration. - The boards should be fastened similarly to interior wall studs. An adhesive may be used to reduce the need for fasteners.
Fastening	
- To minimize the risk of boards splitting, it is recommended to pre-drill holes to 1/32" less than nail diameter or to 80% of screw shank diameter. This is especially important at board ends or for relatively thick fasteners. - Fasteners should penetrate 1-1/2" (32mm) into solid wood. - Exterior applications require stainless steel fasteners - Stainless steel fasteners recommended for interior installation. - Utilize stainless steel fasteners, ring shank or other improved nails. Stainless steel 304 or 316 strongly recommended. - For exterior applications, screw fastening is recommended. Optimal holding is achieved by screwing through the face of the board (2 screws per joint). - As an alternative, fastening through the tongue to eliminate exposed fasteners is acceptable. Blind-nailing is suitable for boards up to 6" (152mm) wide, with one siding nail per bearing toe-nailed through the base of each tongue. - For 6" wide and above boards, require double fixed fasteners every 24" O.C. (one on each side) to secure board properly.	
Storage & Handling	Sealing & Finishing
KLAASWOOD® products should ideally be kept indoors or covered away from direct weather before installation. Ensure the boards are flat stacked and at least 12" above ground level. Prolonged exposure to UV rays may cause the boards to fade. Handle the products with care at all times. Although KLAASWOOD® has lower moisture content and experiences less expansion/contraction than standard wood, it is still required to allow the wood to acclimate on-site for at least 72 hours in advance to adjust to the moisture levels of the environment before installation.	- Unfinished KLAASWOOD® siding can be left in its natural state. Exposed areas to UV will gradually develop a gray/silver hue over time. - To retain natural color, apply a UV-resistant topical coating. Follow the manufacturer's guidelines for coating and application. - To achieve the best appearance, performance, and durability. It is recommended that KLAASWOOD® be finished or sealed for all exposed edges and cut ends.