

This guide is provided as a reference. The user is responsible for proper installation of this product. The products must also be installed in strict accordance with all applicable building code requirements and other regulations. In addition, if not specifically covered by Delta's installation guide, the product must be installed in accordance with generally accepted construction practices.

Delta Millworks creates beautiful Shou-Sugi-Ban paneling for interior walls, ceilings, casework and fixtures. The ancient Shou-Sugi-Ban process adds fire resistance to most species, allowing us to provide interior millwork that meets a Class B flame spread rating, essential to many commercial interiors. Please contact us for current certifications.

### INSPECT

Delta Millworks ships via common carrier. Always inspect the material prior to and during unloading. Any damage or shortage MUST be noted as an EXCEPTION on the bill of lading and your supplier notified immediately. Before installing, be sure the material is the correct profile, dimension and finish. Any product found to be damaged or visually unacceptable for any reason should not be installed; if you encounter any such product STOP and contact your supplier immediately.

### ACCLIMATE

Natural wood products respond to changes in the interior temperature and humidity. The wood should only be delivered after all windows and doors are installed, wet work is complete and the interior climate is controlled at or near living conditions. Allow the wood to acclimate until moisture content is in equilibrium.

### APPLICATION

Delta Millworks paneling must be installed by fastening into studs or furring strips. Paneling may be installed horizontally, vertically or on ceilings.

The first row should be shimmed to ensure it is level or plumb.

Use finish nails that are long enough to penetrate at least 3/4" into the framing or furring strips. For walls maintain a nailing pattern of 16" - 24", for ceilings 12" - 16". Allow a minimum of 1/4" expansion at the end of each run and where the sides come into contact with another wall.

Paneling that is nominally 1" x 8" or narrower may be blind nailed, material that is 1" x 10" or wider should have an additional face nail placed within 2" of the opposite edge.





## INSTALLATION SIDING

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### INSPECT

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Delta Millworks ships siding via common carrier. Always inspect the material prior to and during unloading, any damage or shortage **MUST** be noted as an **EXCEPTION** on the bill of lading and your supplier notified immediately. Before installing, be sure the siding is the correct profile, dimension and finish. Any product found to be damaged or visually unacceptable for any reason should not be installed; if you encounter any such product **STOP** and contact your supplier immediately.

### ACCLIMATE

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The Shou-Sugi-Ban process increases the dimensional stability of wood, but it is still wood, a natural material and it responds to the environment. Shou-sugi-ban siding can swell or shrink as it gains or loses moisture to reach equilibrium with the moisture content of the surrounding air. Ensuring that the moisture content of the siding is at equilibrium before it is installed will minimize movement later on. Our siding products have been dried at the mill to 12-15% moisture content. Siding that has not been wetted prior to arrival on the job site may be applied upon arrival except in hot and dry conditions where a minimum of 3 to 5 days of well ventilated storage is generally required.

### STORAGE

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Until your siding is installed, protect from direct sunlight, water saturation, dirt and other elements. Store the siding flat and off the ground on stickers at least 4" off the ground. Protect with a tented water-proof covering. Do not seal the unit, as good air circulation is required.

### FINISH

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Before installation, applying a finish to all surfaces (including ends) is recommended. Delta Millworks' Shou-Sugi-Ban siding is supplied finished on 4 sides (unless otherwise specified). All field cut ends or edges must also be job site finished with Delta Millworks' recommended finish prior to installation.

### FASTENERS

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Stainless steel nails are the best choice: use No. 304 stainless splitless ring shank nails for general siding applications and No. 316 for seacoast exposures. Hand nailing is preferred to minimize overdriving and damage to the siding. In general use nails long enough so they penetrate solid wood, (sheathing and blocking or studs) a minimum of 1 1/4 inches.

### APPLICATION

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Delta Millworks' Shou-Sugi-Ban siding performs best when installed properly on a suitable frame. Siding should be securely nailed to framing members, furring members or to blocking between framing members. Siding should be nailed into studs or blocking at maximum of 24 inches on center when applied over wood based sheathing and 16 inches on center when siding is installed without sheathing.

In instances where an air space between siding and sheathing is desired (ie. rain screen wall construction) nail siding to furring strips. Maximum spacing for furring strips is 16 inches on center. Vertical siding applications require horizontal nailers, blocking or other wood framing members spaced no more than 24 inches on center.

Proper wall construction includes the use of house-wrap (such as DuPont Tyvek's Drainwrap) or gas permeable building paper and interior vapor barriers. These are extremely effective in helping to prevent moisture problems.

**Delta strongly recommends a rainscreen installation method for exterior siding applications.**

\*Check your building codes to verify requirements in your area.