

Architectural Surfaces, Inc.

123 Columbia Court North • Suite 201 • Chaska, MN 55318
952-448-5300 • Fax: 952-448-2613 • Toll Free: 1 -800-448-3134

LINWOOD I™
Wood Tongue and Groove

LINWOOD I™

INSTALLATION RECOMMENDATIONS & INSTRUCTIONS

CAUTION: Do Not Install Until Instructions Have Been Read Completely.

WARNING:

All solid wood products are cellular and are subject to expansion, contraction, or warping. Under normal construction conditions, wood can expand or contract up to 1/8th of an inch per foot. Any wood veneered product is subject to blistering and/or crazing if exposed to excessive moisture, extremely dry conditions or sunlight. Panels **should not** be subject to high or low humidity, storage should preferably be between 40 and 50 percent relative humidity. Storage, even for a short period of time, in areas where the humidity is over 60 or under 30 percent could cause permanent damage to the panels. (See Job Conditions). The manufacturer assumes no liability for expansion, contraction, warping, blistering, crazing or delamination to panels that may have been exposed to extreme conditions. For the best installation results these instructions must be followed exactly.

RECEIVING:

Check cartons for any obvious shipping damage to the panels or moldings; if you feel there is concealed damage, open cartons and inspect. Have driver sign for any damaged panels and **contact a representative at Architectural Surfaces, Inc., so a freight claim can be filed if necessary.**

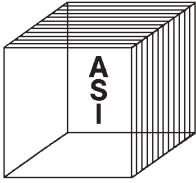
Make sure that all of the material ordered for the job has been received and is the proper style or styles and in the proper quantities.

If any panel appears to have manufacturing defects, do not install. The manufacturer's only obligation is replacing materials proven to be defective and that are returned for credit within the terms and conditions of the sale. Notify the manufacturer or distributor/representative at once.

STORAGE:

Panels and moldings shall be stored in a flat, horizontal position on wood blocking not more than 12" o.c.

Protect all panel faces from exposure to moisture or to light with dark colored polyethylene or similar material. Do not store panels in damp areas or in freshly plastered buildings. Terrazzo grinding must be completed and cement cured. Storage space must dry and well ventilated.



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JOB CONDITIONS:

Panels shall only be installed in areas where the same humidity and temperature conditions exist as will be in the final occupancy of the space. Do not install any panels in areas that are not fully enclosed or are exposed to dampness or moisture. **If panels are to be stored for more than one week, they should be totally sealed, front, back and all edges, to protect against the effects of moisture.**

Seventy-two hours prior to installation open all cartons or crates and lay panels in a flat, horizontal position. Place lath spacers 12 inches on center below and between each row of panels to allow air to circulate around them. The panels must adjust to the temperature and humidity of the space they are to be installed to alleviate excessive expansion or contraction. NOTE: This is especially important for installation in northern climates during the winter to avoid shrinkage after installation.

JOB FINISHING:

Panels that are to be job finished should be completely sealed, stained, and finish coated prior to installing, or as soon as possible after installation, to insure against the effects of moisture and humidity. **The back and edges must also be sealed** to balance the panel. If this is not possible, seal the back and edges and finish the tongue portion to prevent a lighter (not stained) line showing on the tongue in case of panel movement. The face of the panels can then be finished after installation.

Linwood I panels are sanded prior to leaving the factory, subsequent grain raise, handling or tool marks must be removed before final finishing. Use 5/0 – 180 grit sandpaper to remove.

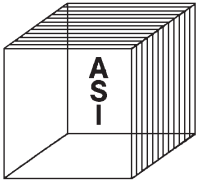
MINERAL STREAKING OR BLUE STAIN IN OAK:

Occasionally in oak panels there may be mineral streaking in the wood. This does not show up in the manufacturing process, only after the panel is exposed to moisture or sealed. The mineral streaking turns dark blue or almost black. Should this occur it is best to set these panels aside for installation in the least conspicuous place or used for cut panels.

WALL PANEL INSTALLATION:

Wood naturally varies in color or grain characteristics. It is recommended that panels be presorted before installation to assure a uniform final appearance.

Check the area to be covered for squareness. If an out-of-square wall is to be installed, it is best to start from a plumb line in the center of the wall so the end panels can be trimmed to fit. Make all trim cuts in areas where least noticeable. Newly exposed edge or end grain shall be sealed with shellac.



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WALL PANEL INSTALLATION Continued:

Linwood I panels are not recommended to be installed with adhesives only. When installing panels on walls, doors or surfaces, we recommend they be blind nailed in the groove or installed with our concealed clip. Panels shall be installed over plywood backing or wood strips 16" on center. Contact or other adhesive can be used as required.

If installing Linwood I panels directly over gypsum board without furring or backing, the concealed clip system must be used. Screw clip into gypsum 16" o.c. maximum and within 1-1/2" from the top and bottom into the plates. Use only 1" or longer hi-low type S bugle head screws. Apply adhesive in bands 4" to 6" o.c. between concealed clips. Clips allow for automatic spacing between panels, however, do not install panels tightly against one another.

Leave a minimum of 1/16" between each panel's tongue and groove and 1/4" clearance in height at the bottom or top.

CEILING GRID SUSPENSION SYSTEM:

Lay out the room to find a center line so that the cut panels or reveals will be equal in width on both sides. Lay out the grid system so that main tees run parallel with the linear wood panels and are at right angles to the cross tees.

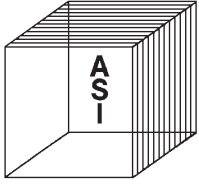
Box type edge moldings are recommended. Main tees and cross tees shall conform to heavy duty classification ASTM C635. Install main tees 4' o.c. with #12 pre-straightened galvanized steel wire not more than 4' o.c., wrapped tightly at least three full turns. Cross tees shall be installed 2' o.c. and not more than 4" from each parallel wall. (If grid system is existing, use a variable placement cross tees 4" from each parallel wall or to form a 2' module. Install extra hanger wires at lights or as required to support the wood panel system. Check with the grid system manufacturer for proper o.c. hanger spacings if in doubt.)

CEILING PANEL INSTALLATION:

Wood naturally varies in color and grain characteristics. It is recommended that panels be presorted before installation to assure a uniform final appearance.

Install clips to cross tees 2' o.c. each side of the center line. Install starting panel directly under and centered on the line. Slide clips into groove to engage panel. Back screw panel through the tee flange to permanently secure straight line. (Starting panels only.)

Install balance of panels in a progressive manner from each side of starting panels. If a clip can not be placed due to interference of a main tee, back screw the panel into place through the flange of the main tee 2' o.c. Stagger all panel end joints as required. Splice all joints directly under cross tee. Continually check and adjust for panel module gain or loss while installing.



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NOTE 1:

If the ceiling is installed without an exposed edge molding and the panels leave a reveal at the walls, the last long panels will have to be face screwed into the grid with a finish screw. It is recommended to back screw through the grid into the back side of the planks every third or fourth row, especially on sloped or pitched installations. Back screwing the planks will ensure planks do not shift or move after installation.

NOTICE:

The above recommended installation instructions are reliable for most installations, but are not meant to imply any warranty or guarantee for which Architectural Surfaces, Inc. assumes responsibility. The installer must undertake testing and verification as to specific applications to determine suitability for them prior to installation.

The manufacturer's only obligation is to replace any material proven to be defective, rather than the installation or removal of the same, for a period of one year from the date of shipment. Faulty installation shall be corrected by the installing contractor. Beyond the purchase price of the materials supplied, the manufacturer assumes no liability for damages of any kind and the user accepts the product "as is" without warranties expressed or implied. The suitability of the product for an intended use shall be solely up to the user.

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