

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

NEW WORLD™ PERFORATED PANELS

NEW WORLD™ PERFORATED PANELS 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, or warping, blistering, crazing or delamination to panels that may have been exposed to extreme conditions. For the best installation results these instruction must be followed exactly.

RECEIVING:

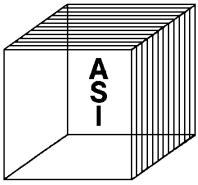
Check cartons for any obvious shipping damage to the panels or moldings; if you feel there is concealed damage, open cartons and inspect. Have driver sign for any damaged panels and the consignee shall file a freight claim with the carrier at once. **The manufacturer assumes no responsibility for filing freight claims or for shortages.**

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 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 or moldings in damp areas or in freshly plastered buildings. Terrazzo grinding must be completed and cement cured. Storage space must be dry and well ventilated.



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JOB CONDITIONS:

Louvers shall 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.

JOB FINISHING:

Solid wood moldings and veneered panels are pre-sanded; subsequent grain raise handling or tool marks must be removed before final finishing. Sand exposed surface lightly with No. 400 sandpaper. Never use steel wool on bare wood. **Apply sanding sealer to face, back, and all edges** to balance the panel. Apply one or two coats of varnish or lacquer to the exposed surfaces. Sand lightly between first and second coat. Be sure the finish doesn't violate local fire codes.

OILS, STAINS AND FILLERS:

Do not use water-based stains, combination stain-sealers are not recommended. Do not use penetrating oil stains, linseed oil or wax finishes.

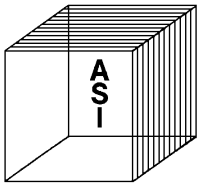
Danish or Swedish (quick drying) type oils are satisfactory. Apply moderately with a cloth; do not saturate the wood, wipe dry quickly with a clean dry cloth.

MINERAL STREAKING OR BLUE STAIN IN OAK:

Occasionally this may occur in oak panels by natural tannic acid in the wood. This does not show up in the manufacturing process, only after the veneer has come in contact with moisture. Should this occur, the stains can be removed, contact the varnish manufacturer for recommendations.

CEILING SUSPENSION SYSTEM:

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 to form a 2' x 2' or 2' x 4' module as required. (If grid system is an existing 2' x 2' module, use a variable



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CEILING SUSPENSION SYSTEM – CONTINUED:

placement cross tees 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.

GENERAL INSTALLATION SEQUENCES:

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

NEW WORLD/OLD WORLD CEILING SYSTEM:

1. install clips to grid, 2' o.c. max. Slide long tongue over tee flange and push up with thumb on one corner of short flange on the other side.
2. Install part no. 8 – 2' o.c. stager joints as required. Cut ends flush with walls. At all walls, molding pieces are to be ripped down to widths as required, see note below.

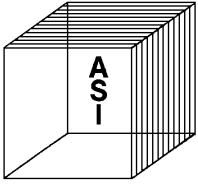
Important Note:

Ripped down moldings must leave 22" edge to edge or 22-3/4" end of cope to end of cope for cross members (part 1) to fit.

3. Install field cross moldings (part no.1).
4. Rip down edge cross moldings (part no. 1), (see note above).
5. Cut holes and or fit border panels as required. With odd shaped panels, apply interior trim moldings after panels are fit.
6. Install panels.

NEW WORLD/OLD WORLD WALL SYSTEM: (For 1/2" thick panel system)

1. Install wood fillers into 3" black molding clips.
2. Slide clips into aluminum channels, 2' o.c. max., and 3" from each end.
3. At center line of wall install 3/8" thick x 1-3/16" wide plywood furring strips and vertical aluminum clip retainer channel (must be plumb).
4. Center and level cross aluminum channels and furring strips (per drawing) each side of vertical. (At this point make sure the wood moldings fit and the coped ends will close up tight).
5. Install vertical or cross channels and furring strips progressively, using 22 13/16" cross channels as spacing guides, Check periodically for gain or loss with Old World wood molding parts.



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OLD WORLD CEILING WALL – CONTINUED:

Important Note:

All aluminum clip retainer channels must be installed level and plumb with intersections square in order for wood moldings to fit properly. Aluminum clip retainers and furring strips can be installed with contact adhesive and/or screws. The combination thickness of the furring strip and clip retainer must be a total of 11/16" to engage the clip properly.

6. Install wall panels with contact adhesive.
7. Install long vertical or horizontal wood moldings. Use clips at butt joints.
8. Install short moldings. (Some pieces may require job coping on one end, use standard 3/8" router bit).
9. Cut down wood edge trim moldings to width required and install.
10. Install base and trim as required.

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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