

# 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

# WOODGRILLE™

---

---

## WOODGRILLE™

### 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. 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 of louvers 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; 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.**

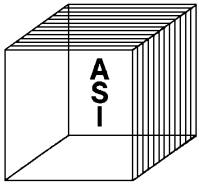
Make sure that all of the material ordered for the job has been received and is the proper style or styles and in the proper quantities.

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

Protect all panels 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 be dry and well ventilated.



# 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

# WOODGRILLE™

## **CEILING SUSPENSION SYSTEM:**

Lay out the room to find a center line so that the cut panels or reveals will be equal in width on all sides unless otherwise designed by the architect. Lay out the grid system so that main tees run parallel with the linear wood panel rails and are at right angles to the cross tees. With the 12" panel modules, it is recommended that the starting panel be laid out directly under, and centered on a main tee.

A black grid suspension system is recommended for the best results. 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.)

## **ACOUSTICAL BLANKET OR PADS:**

Roll out 4' wide black acoustical blanket between suspension wires and over the top of the 4' cross tees or lay in 2'x4' black acoustical pads. (If the ceiling is existing, the grid and lay-in panels may have to be painted black.) If there is white printing on the black acoustical blanket, make sure the white printing is turned up into the plenum.

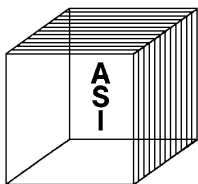
## **PANEL INSTALLATION:**

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

Install black panel spring clips to cross tees 2' o.c. each side of the center line. Install starting panel directly under and centered on the line.

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

Leave a 1/16" space between the panel rail ends for expansion. Do not butt panels tightly together or cut in tightly against the walls. Leave a 1/2" reveal or space at all edges of the room.



# 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

## WOODGRILLE™

---

---

### JOB CONDITIONS:

Panels 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:

Woodgrille panels are pre-sanded; subsequent grain raise, handling or tool marks must be removed before final finishing. Sand exposed surface lightly with sandpaper. Never use steel wool on bare wood. **Apply stain if required and sanding sealer to face, back edges, and all ends** to balance the panel. Apply varnish or lacquer to all surfaces. Sand lightly between first and second coat. Be sure the finish doesn't violate local fire codes.

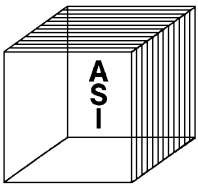
### OILS, STAINS AND FILLERS:

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

Penetrating oil stains Danish or Swedish (quick drying) type oils are satisfactory. If the panels are to be tank dipped turn the face side up and lay in a horizontal horizontal position to dry.

### 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 wood has come in contact with moisture. Should this occur, these stains can be removed, contact the varnish manufacturer for recommendations. A stained panel can also be used by installing as cut or end panels.



## 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

# WOODGRILLE™

---

---

### PANEL INSTALLATION – CONTINUED:

If the ceiling is installed with an exposed edge molding leave a 1/2" minimum space at the walls.

To remove panels for downward access into the plenum, use a long nose pliers or pull tool between the slots to spring back the legs on the clips.

### IMPORTANT NOTE:

Do not leave panel rail ends unsupported if they are over 4" long. Under certain conditions the rails could warp up, down, or sideways. Staple, nail, or screw black wood stripping (or 1/2" slip on molding if edges are revealed) to the back of **each panel rail** to secure ends and prevent the individual rails from warping.

### WALL 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 main tee-member or wood striping horizontally 2' o.c. and within 4" of ceiling line and/or base, support 4' o.c. or screw or toggled into wall. Fur out horizontal members to thickness of acoustical blanket prior to securing. Install 2' wide black acoustical blanket or panels between horizontal members. Layout center line to leave equally spaced panels or reveals on all sides. Install panel clips, (screw or nail) 2' o.c. on each side of centerline. Install balance or panels progressively from either side of starting panel. Continually check and adjust for panel module gain or loss while installing.

### 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 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.

©ARCHITECTURAL SURFACES, INC.