



Your ideas become reality™



* Only 1148 WoodHaven Painted White and 1149 Beadboard recommended for wainscot.

ASSEMBLED FOR ARMSTRONG WORLD INDUSTRIES INC. IN THE UNITED STATES OF AMERICA
WITH COMPONENTS OF BOTH DOMESTIC AND FOREIGN ORIGIN.
LANCASTER, PA 17604

1 800 233 3823 www.armstrong.com

WOODHAVEN

5" x 84" x 3/8" NOM
127 mm x 1981 mm x 10 mm

10 planks 29 sq. ft.

WoodHaven™ CEILING PLANKS

- **Natural, wood-grain look**
Eleven beautiful colors to choose from
- **Prefinished, durable laminate surface**
Excellent resistance to surface impact
- **Superior humidity and sag resistance**
Ideal for any room — even kitchens and baths
- **Maintenance free**
Cleans with a damp cloth
- **Easy installation**
Interlocking tongue-and-groove planks
- **Wainscoting**
Installs easily on walls.*
- **Lifetime limited warranty**



**Simple Clip Installation
System Included In
Every Package!**

WOODHAVEN™ CEILING PLANK INSTALLATION INSTRUCTIONS

WoodHaven planks can be directly attached to existing joists (joists must be no more than 24" on center) or over drywall or plaster ceilings. Planks are held in place with the clips and screws included in the package. Additional screws are required when attaching directly to drywall or plaster.

Note: Your WoodHaven plank ceiling will only be as flat as the substrate you attach it to. The use of furring strips gives you the opportunity to shim the existing substrate to make it flat. Installation of furring strips also gives you the opportunity to change the direction of the planks. The WoodHaven planks must be installed perpendicular to the furring.

In areas of high humidity, such as bathrooms, two layers of furring strips (criss-crossed) must be installed to allow air circulation above the planks.

Do not apply loose fill or rolled insulation so it comes directly in contact with the back of the WoodHaven plank.

BEFORE YOU START

- Unpack the planks in the room they will be installed 24 hours prior to installing to adapt to the temperature.
- Determine which way you want your planks to run across your room. Keep in mind that planks will run **opposite** the direction of the joists (if attached directly to them) or **opposite** the direction of furring strips.
- Plan for any lighting or other fixtures that may be included in your room. Mount electrical boxes so they are 3/8" lower than the surface you will attach the plank to. Use light fixtures that will not raise the temperature of the planks above 230 degrees Fahrenheit to prevent discoloration of the plank. Contact the light manufacturer for any questions about the amount of heat generated by the light.

Hint: When ready to install "can" lights, circular cuts can be made in the plank with a saber saw or keyhole saw.

TOOLS:

Hand saw, circular saw (optional), saber saw (optional), measuring tape, chalk line, cordless or hand screwdriver, pencil. When using power tools, be sure to follow the manufacturer's recommendations for their use.

INSTALL DIRECTLY TO DRYWALL OR PLASTER

To apply WoodHaven directly to a drywall or plaster ceiling, you must locate the joists above.

The WoodHaven planks must be installed perpendicular to the joists.

The screws included in the WoodHaven package are not long enough to penetrate the joists through drywall. You must substitute #6 x 1-1/4" coarse thread bugle head drywall screws (buy others) for the screws in the package. When attaching to a plaster ceiling, use #6 coarse thread bugle head drywall screws (buy others) long enough to get 1" of threads into the joists.

When you install the screws into the clips, make sure the screws are straight into the joists and not at an angle. If the screws are installed at an angle, the head may interfere with the installation of the next row of plank.

INSTALL DIRECTLY INTO JOISTS:

Use the clips and screws in the package to secure the planks to the bottom of the joists. The planks must be installed perpendicular to the joists. To change the direction of the planks, you must install wood furring perpendicular to the joists.

INSTALL FURRING STRIPS:

Nail or screw furring strips perpendicular to the joists every 24" or less using nails that are at least 2-1/4" long or screws that penetrate the joists at least 1". (Illus. A) Be sure to attach furring strips at both sides of the area against the side walls. Use two nails or screws at each joist to keep the furring flat. Shim furring, if necessary, to ensure a flat surface to install planks. (Illus. B)



Illus. A



Illus. B

DETERMINE WIDTH OF FIRST ROW OF PLANKS:

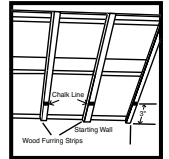
Measure the size of the room perpendicular to the direction of the planks. Change the room measurement to inches. Each plank is 5" wide, so you need to divide the room size by 5". In most cases, the dimension will not divide evenly. Take the remainder; add 5", and divide that amount in half. This is the width of the first row of planks.

EXAMPLE:

If the room measures 11' 4", change this to 136". Divide this amount by 5" to get 27 planks with a remainder of 1". Add 5" to the remaining 1" which equals 6". Divide 6" in half to get 3". This is the width of the first row of planks. You will now have 26 rows of full width planks with the first and last rows 3" wide. This will give you a balanced ceiling appearance.

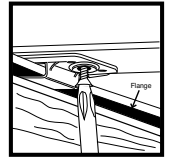
INSTALL FIRST ROW OF PLANKS:

Measure the calculated border width out from the end wall at each side of the room and make a mark. Snap a chalk line from mark to mark. (Illus. C) Starting from the left side of the room, measure out from the end wall several places to determine the exact width measurement for the first piece of plank. Subtract 1/2" from each of these measurements to allow for expansion. Mark the first plank and cut to width. (A circular saw, saber saw, or handsaw can be used for making straight cuts.)



Illus. C

Align the leading edge of the plank (groove edge) with the chalk line and have the tongue end 1/4" away from the side wall (the cut edge will be about 1/2" from the end wall. For runs under 24', add an additional 1/2" of space at each end for every additional 24' of project length). Slide clips on the flange and screw the clips to the underside of **each** joist or furring strip. (Illus. D) Face nail or screw along the cut edge of the fastening plank to the joists or furring to hold up the cut edge until molding is installed later. Be sure to nail or screw close enough to the end wall so the molding will hide the nails or screws. (Illus. E)



Illus. D



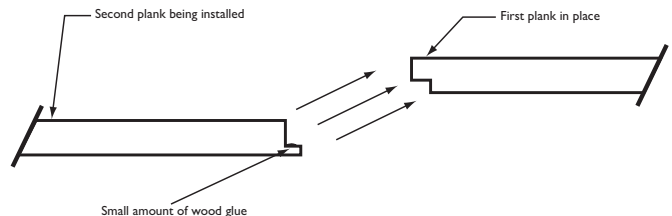
Illus. E

Note: You may have to install pieces of wood between the joists to prevent upward movement of the ends of the planks when the molding is installed.

Measure and cut the second plank and install in the same manner. When you get to the other side of the room, **first measure the length** for the last piece in the row and cut it so it is 1/2" short of the side wall when installed. After you have cut the piece to the correct length, cut plank to the correct width and install.

(For #1149 Beaded Plank only)

The planks ends meet with a "shiplap" joint. When you install the second plank with the "shiplap" joint facing upward (see illustration), apply a small amount of water-based wood glue to the joint. Any and all expansion will then take place at the ends of each course of plank.



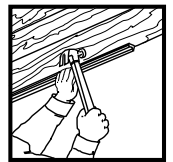
When using water-based wood glues you should follow the manufacturer's instructions for their recommended use and applications. Armstrong does not guarantee the performance of those products, either alone or in conjunction with Armstrong products.

INSTALL FULL WIDTH ROWS OF PLANKS:

(Planks should have a "staggered" appearance when installed. To obtain this look, you will start the second row of planks with the leftover piece from the first row.) Start the second row by inserting the tongue into the groove of the piece in the first row. For 24' runs and under, position the cut end of the plank 1/2" from the side wall and attach to ceiling with clips and screws. For runs longer than 24', add an additional 1/2" of space at each end for every additional 24'. Continue along the second row with full length pieces until you have to cut a plank to reach the other side. Again, cut the length of this plank 1/2" short of the side wall for runs less than 24' and install. Use the left over piece to start the third row and continue to the other end of the room. If you have a 48' installation, leave 1" space at each end of the room. If you have up to a 72' installation, leave 1-1/2" at each end.

INSTALL THE LAST ROW:

When you get to the last row of planks, measure the opening between the next to last row and the end wall. Cut planks 1/2" short of this measurement. Insert plank into previous row and face nail or screw to joists or furring along the cut edge. Be sure to nail or screw close enough to the end wall so the molding will cover the nails or screws.



Illus. F

Install a decorative molding around the perimeter of the room to finish the new look and cover all perimeter nails or screws. **(Illus.F)**

MAINTENANCE RECOMMENDATION:

Clean with a damp cloth.

Need help? I 800 233 3823

**WOODHAVEN™ WAINSCOTING AND BACKSPLASH
INSTALLATION INSTRUCTIONS**

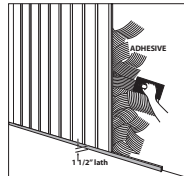
WoodHaven Painted White (1148) and Beadboard (1149) planks can also be used as a wainscoting or backsplash.

Before you start, unpack the planks in the room they will be installed 24 hours prior to adapt to the temperature.

TOOLS:

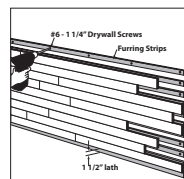
Hand saw, circular saw (optional), saber saw (optional), measuring tape, chalk line, cordless or hand screwdriver and pencil. When using power tools, be sure to follow the manufacturer's recommendations for their use.

For WoodHaven wainscoting, the maximum wall height to be covered is 42". To prevent wet floors from damaging the planks, install a piece of 3/8" thick lath on the wall at the floor so the bottom of the planks can butt against the top of the lath.



While the normal orientation of wainscoting is vertical, the WoodHaven planks can be installed on walls either vertically or horizontally.

When installing the planks vertically, you should use a construction adhesive to secure the planks to the wall. Be sure to check that the adhesive is suitable for the wall surface you are adhering to. Follow the adhesive manufacturer's recommendations for surface preparation and application rate. If the planks do not stick to the wall immediately, use painter's tape to hold the planks to the wall until the adhesive sets up.



Planks can also be installed horizontally. When installing horizontally, you will use the WoodHaven clips enclosed in the WoodHaven carton. With the long tongue edge of the first plank resting on the lath, you place the clip over the flange at a stud location. Using #6 x 1-1/4" drywall screws (do not use the enclosed screws, they are too short for this application), secure the clip to a wall stud. Fasten clips at every stud location along the length of the installation.

For wainscoting, apply a baseboard of your choice over the bottom of the planks covering the lath and the bottom of the planks. A top trim of your choice can be installed at the top of the planks to serve as a chair rail and finish the installation.

MAINTENANCE RECOMMENDATION:

Clean with a damp cloth.

Need help? I 800 233 3823

**WOODHAVEN CEILING PANELS TEN (10)
YEAR LIMITED WARRANTY**

Please read all of the following terms carefully as this warranty may be affected by installation methods, materials used and site conditions. Armstrong does not authorize any person to assume or extend any other warranty obligation or liability on its behalf.

Armstrong's WoodHaven Ceiling products are warranted to be free from defects in materials or factory workmanship for 10 years from the date of installation when used under normal conditions. (Except for obvious defects in materials or factory workmanship, which Armstrong must be notified of within 30 days of the date of installation.)

WARRANTY CONDITIONS:

- All WoodHaven products must be installed and maintained in accordance with Armstrong's written installation and maintenance instructions in effect at the time of installation.
- This warranty is not transferable and applies to the original purchaser only.

- Prior to installation, the ceiling product must be kept clean and dry in an environment that is between 50° F (10°C) and 86°F (30°C) and not subject to Abnormal Conditions. Abnormal Conditions include exposure to chemical fumes, corrosive agents (such as chlorine), vibrations, fire, water, freezing temperatures, accident or any other form of abuse, or excessive dirt or dust buildup. If subject to Abnormal Conditions, where possible, the products should be removed immediately and replaced once the conditions are normal.
- Installation of the products shall be carried out where the temperature is between 50°F (10°C) and 86°F (30°C) and relative humidity levels maintained between 25%RH and 55% RH. It is necessary for the area to be enclosed and for HVAC systems to be functioning and in continuous operation. All wet work (plastering, concrete, etc.) must be complete and dry, and the products must be protected from the elements such as rain, snow, etc. These temperature and humidity conditions must be met throughout the life of the warranty.
- This limited warranty is subject to further conditions listed below.
- The warranty is void if the ceiling product is not installed in accordance with the installation instructions included in every carton, also available at www.armstrong.com

WHAT WILL ARMSTRONG DO?:

If a manufacturing defect does occur within the terms and conditions of this warranty, you will be supplied with new material to replace the defective ceiling product, the replacement materials will be of the same or similar design and quality.

WHAT DOES THIS WARRANTY NOT COVER?:

- Damage that may occur due to Abnormal Conditions described above is not covered by this warranty.
- This warranty does not cover damage caused by improper maintenance, improper installation, or by use contrary to our recommendations, such as use outdoors or on surfaces other than ceilings.
- This warranty does not cover normal wear and tear or shade changes due to exposure to smoke, fumes, leaks, or abuse.
- This warranty does not cover labor charges to replace obvious visual defect in the material at time of installation.
- We exclude and will not pay any consequential or incidental damage, loss or expense other than to the ceiling itself.
- This warranty is not transferable and applies to the original purchaser only. It does not apply to materials graded second or odd lot.
- This warranty does not cover differences between samples or product photographs and actual product purchased

How Do You Get Service?

You must notify the retailer who sold you the material, in writing, of any product failure covered by this warranty within 30 days of first observation of failure. If you are unable to contract your retailer, or if you notified your retailer of a defect and have not received satisfaction, please contact us at:

Armstrong World Industries, Inc.
Attn: Customer Focus Center
P.O. Box 3001
Lancaster, PA 17604
1-877-Armstrong
www.armstrong.com

How Does State Law Apply?

This warranty gives you specific legal rights and you may also have other rights, which vary from state to state. Some jurisdictions do not allow exclusion or limitation of incidental or consequential damages or other limitations on implied warranties, so the limitation(s) or exclusion(s) in this warranty may not apply to you.

THIS EXPRESS WARRANTY CONSTITUTES THE ENTIRE OBLIGATION OF ARMSTRONG AND THERE ARE NO OTHER WARRANTIES EXPRESS OR IMPLIED, INCLUDING ANY WARRANTY OF MERCHANTABILITY OR FITNESS FOR ANY USE OR PURPOSE WHATSOEVER. ARMSTRONG'S LIABILITY IS LIMITED TO THAT SET FORTH BELOW IN THIS WARRANTY. ARMSTRONG IS NOT LIABLE FOR ANY INSTALLATION OR REMOVAL COSTS UNDER THIS WARRANTY. NOR IS RESPONSIBLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES OR COSTS UNDER THIS WARRANTY.

⚠ CAUTION: WOOD DUST.

Sawing, sanding and machining wood products can produce dust. Airborne wood dust can cause respiratory, eye and skin irritation. The International Agency for Research on Cancer (IARC) has classified wood dust as a nasal carcinogen in humans.



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