



ProTM

The Roaring River Process

8" Smooth

1/2" Primed Lap Sidings

Application Instructions

CERTIFIED BY THE AMERICAN HARDBOARD ASSOCIATION ANSI/AHA 135.6
COMPLIES TO ALL MAJOR BUILDING CODES
ICBO, BOCA, SBCCI AND CCMC

8" Cedar Texture

Attention: BUILDER/ARCHITECT GENERAL INFORMATION

IMPORTANT: These instructions are to be used **ONLY** for the application of ABTCO brand siding on conventional, **SITE-BUILT** wood frame buildings. For other applications, such as those for **FACTORY-BUILT**, manufactured housing (including mobile, modular and panelized buildings), contact ABTCO for specific instructions.

ABTCO 1/2" Siding may be applied over sheathed walls or, where building codes permit, directly to studs spaced no greater than 16" o.c. that have adequate corner bracing. Where local building codes permit 24" centers, it is a requirement to use 7/16" OSB or 1/2" exterior plywood sheathing.

When applying siding directly to studs, a building paper (non-vapor barrier type) must be applied first.

In all insulated or heated buildings, a continuous vapor barrier of one perm or less, such as polyethylene film or foil-backed gypsum board, is required on the interior side of the studs to prevent damaging condensation from occurring within the walls. Attics and crawl spaces must be vented to outside air in accordance with requirements given in HUD Minimum Property Standard.

Side wall insulation, where used, must be installed between the vapor barrier and exterior wall. Wet blown insulation is not allowed.

A GROUND COVER OF POLYETHYLENE FILM MUST BE USED IN ALL CRAWL SPACE AREAS.*

Application over new masonry walls is not recommended until walls are thoroughly dry.

In all installations over masonry walls, the wall must be furred out with framing spaced 16" o.c. and with adequate thickness to accept the full length of the recommended nail.

A continuous vapor barrier providing a minimum of one perm or less, such as 6 mil polyethylene, must be placed between the framing and masonry walls. Insulation may be placed between the framing members. ABTCO siding must not come in contact with masonry.

The use of a vapor barrier is also required under the slab for slab-on-grade foundations, in accordance with approved practice, where such construction is allowed.

FAILURE TO APPLY REQUIRED VAPOR BARRIERS WILL VOID ALL WARRANTIES WRITTEN OR IMPLIED.

Siding must be installed a minimum of 6" above the ground. Siding applied to dormers or adjacent to roofs, porches, patios, etc. must have a clearance of at least 1" above any surface where water might collect and be properly flashed.

CAUTION: The use of Plastic Foam Sheathing Materials may present special problems related to moisture and heat buildup within the wall. Therefore, it is imperative that application instructions from the Plastic-Foam Manufacturer be read for applicable data and that ABTCO instructions are followed precisely, especially in regard to installation of vapor barriers and the nailing of siding. Plastic Foam installations are non-structural; special care must be given to corner bracing and to avoid crushing.

*U.S. Dept. of Agriculture Bulletin No. 373; HUD-MPS Single Family 607-2.2; National Building Code Sec. 933.3

1/2" Primed Lap Siding

SIDING APPLICATOR INSTRUCTIONS

- a) Apply siding over properly prepared walls with a maximum stud spacing of 16" o.c. or 24" o.c. where local codes permit. See General Information and Section e below.
- b) Begin by establishing a straight reference line to guide positioning the bottom edge of the first course of siding.

The suggested procedure is to measure equal distance downward from the eaves and/or windows and snap a chalk line.

This first step ensures that the siding appears parallel with the eaves, soffit and windows, regardless of any actual setting of the house from true level.

SIDING MUST APPLIED AT LEAST 6" ABOVE THE GROUND.

- c) Snap parallel chalk lines on the walls as guides in positioning the top edge of each siding course. Space chalk lines so that (1) bottom edge of the first course of siding is applied at least 6" above the ground, and (2) that each subsequent siding course is overlapped a minimum of 1".
- d) Nail a starter strip (wood lath or siding approximately 3/8" x 1-1/2") 1/4" above bottom chalk line and install first course of siding.
- e) Nail at all stud locations, position nails 3/4" from the bottom edge of siding in order to penetrate both siding courses. Nail 3/8" from butt ends.

If 24" o.c. vertical framing is used, the siding must be applied over sheathing (7/16" oriented strand board, 1/2" exterior grade plywood, or equivalent). Our normal nailing schedule must be followed, nailing 24" o.c. into the studs and then intermediate nailing through the sheathing with a 6d galvanized ring shank nail or equivalent. This effectively creates a 12" o.c. nailing schedule.

- f) **NAILS MUST PENETRATE FRAMING MEMBERS AT LEAST 1-1/2".**

For best performance use hot-dipped galvanized nails with a minimum 1/4" dia. head.

Shim siding at studs, as needed, to avoid drawing siding against uneven walls. **DO NOT OVER DRIVE NAILS.** Nail head should seat firmly to face of siding, but not be overdriven to distort the siding surface

- g) When installing siding over foam sheathing (16" o.c. only), care must be taken not to drive nails so hard as to compress the foam & distort the siding surface.
- h) Vertical butt joints must fall on studs only. Stagger butt joints on subsequent courses.

For best results, leave a 1/8" gap at the butt joints and caulk. Optional Joint Covers are available, highly recommended, but not required.

Caulk must be a high grade acrylic latex or equal.

- i) Nail at all special framing members around openings. Shim, if necessary, to provide solid backing for siding fitted around windows, doors, and at rake cuts on gable ends.
- j) Where siding butts against window and door trim and at wood inside and outside corners, leave a 3/16" gap and caulk.

Nail from the center of the plank toward the ends, or from one end to the other end. **NEVER** nail from the ends of the plank toward the middle.

- k) Corner posts can be metal, wood or vinyl. Wood trim and corner boards should be a nominal 1" thick.
- l) Use drip cap flashing above all openings to insure a weather-tight installation.
- m) ABTCO siding may be sawn face-up with a fine tooth hand-saw or face down with a combination blade power saw.

FINISHING

- a) **FACTORY PRIMED SIDINGS SHOULD BE FINISH COATED AS SOON AS POSSIBLE. CAUTION: SIDING MUST BE REPRIMED PRIOR TO FINISHING IF LEFT UNPAINTED FOR LONGER THAN 180 DAYS.**
- b) Any small areas of prime coat damage should be touched up with primer before painting. Small punctures should be filled with exterior grade wood putty or caulk and reprimed before painting.
- c) High quality exterior acrylic latex paints specially formulated for use on wood and engineered wood substrates are highly recommended. Semi-gloss or satin finish oil or alkyd paints are acceptable.
- d) Coatings not recommended are:
Flat oil or alkyd (shake or shingle) paints, vinyl base resin combinations (vinyl acetate - PVA, vinyl acrylic, vinyl acetate acrylic copolymer paints) and semi-transparent stains.
- e) Thoroughly paint all exposed joints, especially the bottom edge of the siding and all cut ends next to roof line.

NOTE:

Apply 2.5 dry mills of finish paint to primed siding of face, grooves and bottom edge. This will normally require two brush applied coats of unthinned latex paint or three spray applied coats. Special care should be taken to coat all exposed edges and contours of textured or grooved surfaces, especially all cut ends next to roof line.

SPECIAL NOTE:

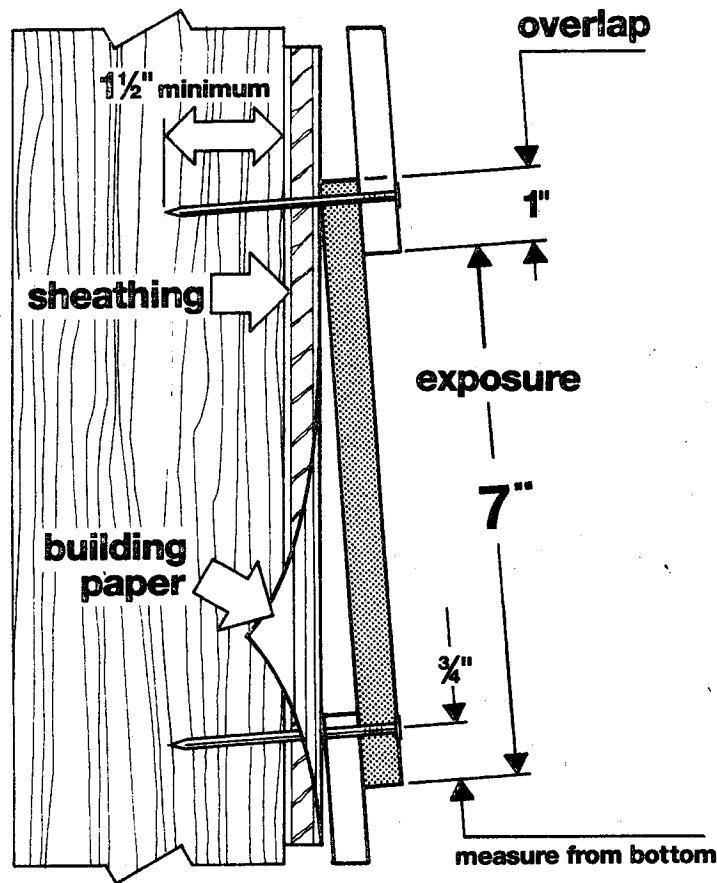
IN HIGH MOISTURE CONDITIONS, SUCH AS THOSE ASSOCIATED WITH THE PACIFIC NORTHWEST, IT IS STRONGLY RECOMMENDED TO ACCLIMATE THE SIDING AT THE JOB SITE FOR 48 HOURS PRIOR TO INSTALLATION.

STORAGE

Keep siding clean and maintain uniform moisture content. Warehouse flat on stringers in unheated covered building. Protect from direct exposure to elements. Job site storage also should be flat on stringers, avoid direct contact with ground and cover to prevent direct exposure to elements.

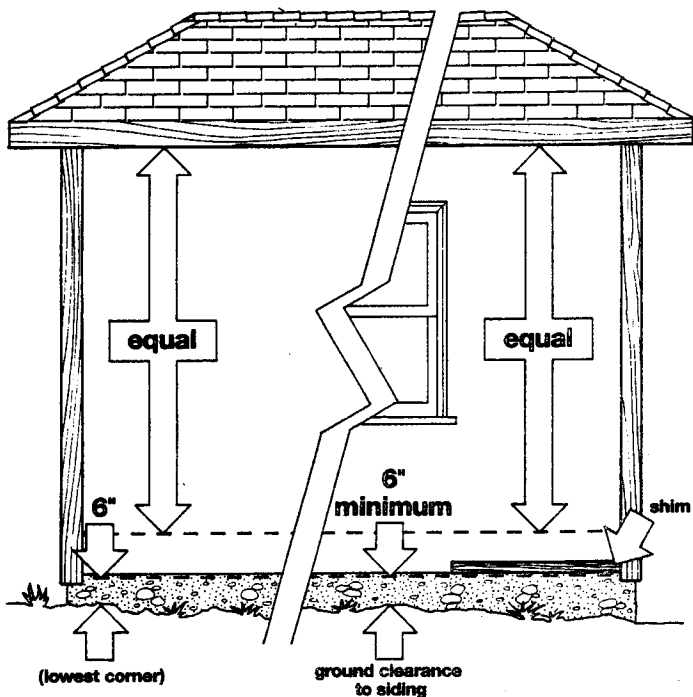


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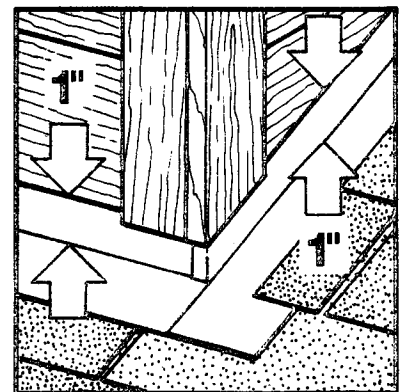


1/2" Primed Lap Siding

8" Smooth 8" Cedar Texture

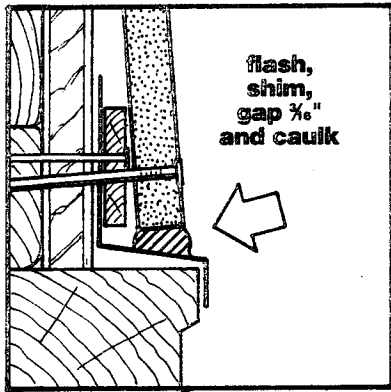


establish straight reference lines

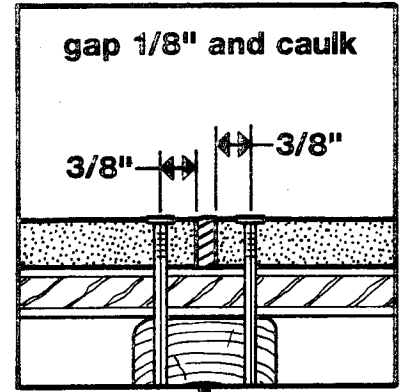
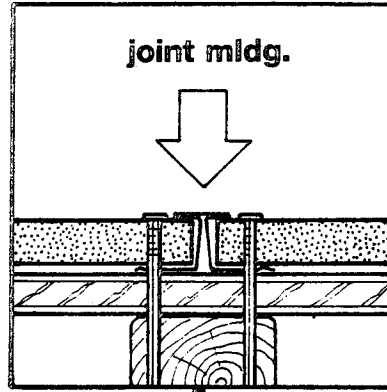


roof flashing detail

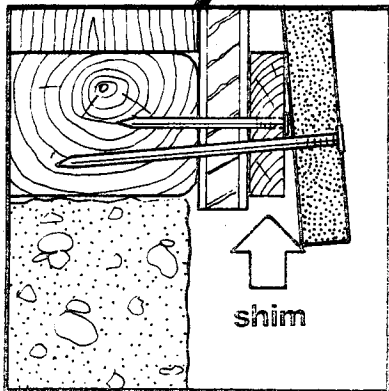
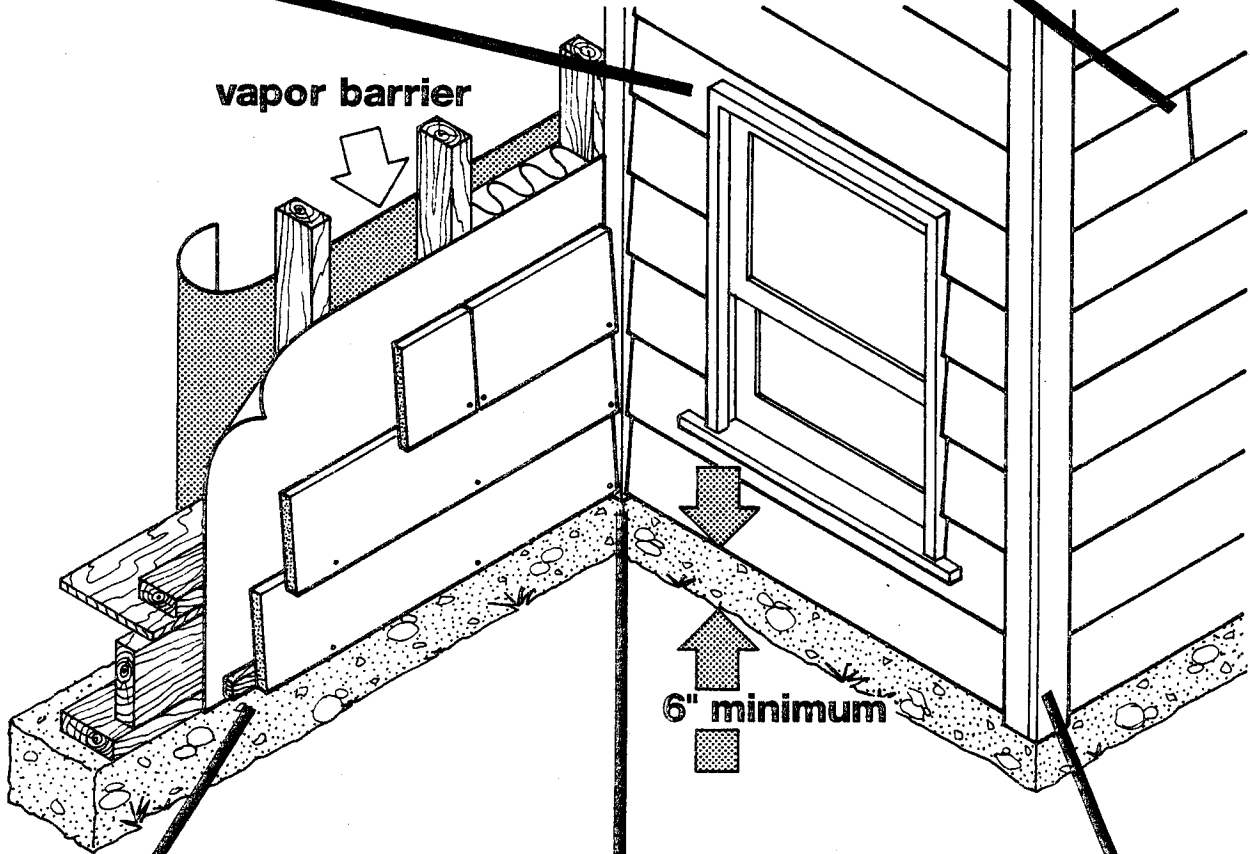
over openings



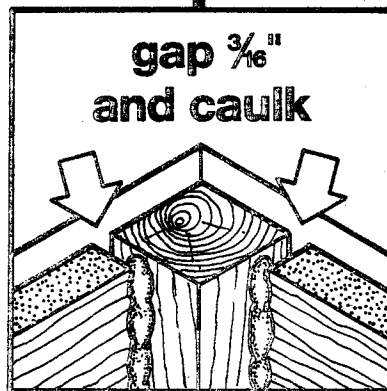
alternate joint treatment



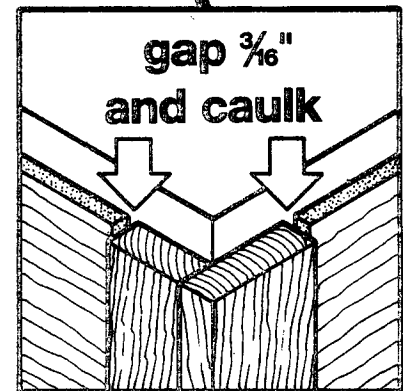
vapor barrier



bottom course detail



inside corner detail



outside corner detail

Most homeowner complaints are not due to manufacturing defects but are caused by the failure to follow application instructions and the lack of care and maintenance. Following the recommendations below will reduce the likelihood of causing product failure that can create conditions not covered by the manufacturer's warranty such as:

- excessive paint weathering due to direct contact with water, roof runoff, shrubbery, mulch.
- improper spacing, caulking or painting.
- algae, mold or mildew on the siding surface.

Protect Your Warranty - Follow These Recommendations

- The lot should be graded so that drainage is away from the house and no water is allowed to stand on the site.
- Slope should be at least six inches in 25 feet.
- Siding should be installed no closer than six inches to the ground.
- Mulch or landscaping materials should also be no closer than six inches to prevent excessive moisture access to the bottom edge of the siding.
- Roof, downspout and air conditioning condensation drainage should be directed away from the home as much as possible to prevent pooling.
- Keep all shrubs and plantings at least one foot away from siding.
- Do not allow sprinklers to spray directly on the siding.
- Use extreme care when installing decking or porch materials to insure adequate air circulation.
- The crawl space should be covered with a 6 mil polyethylene film overlapped 12" at all joints. The film should be weighted down.
- Ventilate crawl spaces.
- Maintain an indoor relative humidity of 30-40% during cold months.
- Maintain attic and roof ventilation.
- Clothes dryers should be vented to the outside of the home.

YEARLY INSPECTIONS SHOULD INCLUDE:

- Look for chalking, cracking or flaking and a lack of paint.
- Look for missing, loose or cracked caulk.
- Protruding and loose nails need to be resealed.
The overdriven nail hole should be cleaned, caulked, and painted and a new properly seated nail should be driven into the framing member in the same area.
- Mildew, mold or algae should be removed from the siding.
Power washing is not the preferred method of cleaning painted wood or wood based siding.

***FAILURE TO FOLLOW COMPLETE APPLICATION AND CARE AND MAINTENANCE REQUIREMENTS MAY VOID WARRANTY.**



ABTco

ABT BUILDING PRODUCTS CORPORATION

**PRORATED
1/2" PRIMED SIDING
30 YEAR LIMITED WARRANTY**

**THIRTY YEAR
LIMITED WARRANTY - SUBSTRATE**

ABTco, Inc. warrants its Primed Half-Inch Hard-board Siding, exclusive of finish, against defects in material delamination, checking, splitting, cracking and chipping of the base substrate due to faulty manufacturing processes for a period of thirty years from the date of installation under normal conditions of use and exposure, providing the siding is properly stored, applied, finished, maintained and protected against all sources of moisture accumulation within the wall cavity as specified in ABTco's Application Instructions.

NOTICE: THIS WARRANTY IS IN LIEU OF ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.

For Complete Warranty Contact:

ABTco, Inc.

Siding Division

PO Box 98

Roaring River, North Carolina 28669

Attn. Manager Technical / Warranty Services

1-800-334-3551

Effective date 7-1-95
(Samples may be required)