INSTALLATION REQUIREMENTS - PRIMED AND FACTORY BUILT COLOR TREATED PRODUCTS

CEDAR • BEADED CEDAR • BEADED SMOOTH

EFFECTIVE AUGUST 2010

STORAGE & HANDLING:
Store flat and keep dry and covered prior to installation. Installing siding wet or saturated may result in shrinkage at butt joints. Carrying planks on edge. Protect edges and corners from breakage. The manufacturer is not responsible for damage caused by improper storage and handling of the product.

CUTTING INSTRUCTIONS

OUTDOORS
1. Position cutting station so that wind will blow dust away from user and others in working area.
2. Use one of the following methods:
   a. Best: i. Score and snap
      ii. Shears (manual, electric or pneumatic)
   b. Better: i. Dust reducing circular saw equipped with a Hardieblade™ saw blade and HEPA vacuum extraction
      ii. Groove: i. Dust reducing circular saw with a Hardieblade™ saw blade (only use for low to moderate cutting)

INDOORS
1. Cut only using score and snap, or shears (manual, electric or pneumatic).
2. Position cutting station in well-ventilated area

Important Note: For maximum protection (lowest respirable dust production), the manufacturer recommends always using “Best”-level cutting methods where feasible.

GENERAL REQUIREMENTS: (For elevations of 4000 ft. and above please refer to page 4 for specific requirements)
- Cemplank® lap siding can be installed over braced wood or steel studs spaced a maximum of 24” o.c. or directly to minimum 7/16” thick OSB sheathing*. Irregularities in framing and sheathing can mirror through the finished application.
- Cemplank® lap siding can also be installed over foam insulation/sheathing up to 1” thick. When using foam insulation/sheathing, avoid over-driving nails (fasteners), which can result in dimpling of the siding due to the compressible nature of the foam insulation/sheathing. Extra caution is necessary if power-driven nails (fasteners) are used for attaching siding over foam insulation/sheathing.
- A water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with power-driven nails (fasteners) which can result in dimpling of the siding due to the compressible nature of the foam insulation/sheathing. Extra caution is necessary if power-driven nails (fasteners) are used for attaching siding over foam insulation/sheathing.
- A water-resistive barrier is required in accordance with local building code requirements. The water-resistive barrier must be appropriately installed with power-driven nails (fasteners) which can result in dimpling of the siding due to the compressible nature of the foam insulation/sheathing. Extra caution is necessary if power-driven nails (fasteners) are used for attaching siding over foam insulation/sheathing.
- Maintain a 1 1/2” - 2” clearance between Cemboard products and roofs, decks, paths, and others in working area.
- Maintain a 1/4” clearance between Cemboard products and horizontal flashing (fig. 7).
- Install kickout flashing at roof-wall junctions (fig. 9).
- Adjacent finished grade must slope away from the building in accordance with local building codes - typically a minimum of 6” in the first 10’.
- Do not install Cemboard products, such that they may remain in contact with standing water.
- Cemplank® lap siding must be installed on vertical wall applications only.
- DO NOT use stain on Cemboard™ products.

INSTALLATION:

JOINT TREATMENT*
(Required for Factory Built Color Finish, Recommended for Primed product)
It is not recommended to use caulk at field butt joints.

![Figure 1](image1.png)

![Figure 2](image2.png)

* If only nailed to sheathing, plank can be a maximum 9-1/4” wide and must be face nailed at 12” o.c. with 0.09” shank x 0.221” HD x 1.5” long corrosion resistant nails.
* As required by local building code
** Apply caulk in accordance with caulk manufacturers written application instructions.

WARNING: AVOID BREATHING SILICA DUST
Cemboard® products contain respirable crystalline silica, which is known to the State of California to cause cancer and is considered by IARC and NIOSH to be a cause of cancer from some occupational sources. Breathing excessive amounts of respirable silica dust can also cause a disabling and potentially fatal lung disease called silicosis, and has been linked with other diseases. Some studies suggest smoking may increase these risks. During installation or handling: (1) work in outdoor areas with ample ventilation; (2) use fiber cement shears for cutting or, where not feasible, use a Hardieblade™ saw blade and dust-reducing circular saw attached to a HEPA vacuum; (3) warn others in the immediate area; (4) wear a properly-fitted, NIOSH-approved dust mask or respirator (e.g. N-95) in accordance with applicable government regulations and manufacturer instructions to further limit respirable silica exposures. During clean-up, use HEPA vacuums or wet cleanup methods - never dry sweep. For further information, refer to our installation instructions and Material Safety Data Sheet available at www.cemboardsiding.com or by calling 1-877-236-7526. FAILURE TO ADHERE TO OUR WARNINGS, MSDS, AND INSTALLATION INSTRUCTIONS MAY LEAD TO SERIOUS PERSONAL INJURY OR DEATH.
**FASTENER REQUIREMENTS**

Blind Nailing is the preferred method of installation for all Cemplank® lap siding products

**BLIND NAILING**

Nails - Wood Framing
- Siding nail (0.09" shank x 0.221" HD x 2" long)
- 11ga. roofing nail (0.121" shank x 0.371" HD x 1.25" long)

Screws - Steel Framing
- Ribbed Wafer-head or equivalent (No. 8 x 1 1/4" long x 0.375" HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing
- ET & F Panelfast® nails or equivalent (0.10" shank x 0.313" HD x 1-1/2" long)
  Nails must penetrate minimum 1/4" into metal framing.

OSB minimum 7/16"
- 11ga. roofing nail (0.121" shank x 0.371" HD x 1.75" long)
- Ribbed Wafer-head or equivalent (No. 8 x 5/8" long x 0.375" HD).

Face Nailing should only be used where required for high wind areas and must not be used in conjunction with Blind Nailing

**FACE NAILING**

Nails - Wood Framing
- 6d (0.113" shank x 0.267" HD x 2" long)
- Siding nail (0.09" shank x 0.221" HD x 2" long)

Screws - Steel Framing
- Ribbed Bugle-head or equivalent (No. 8-18 x 1-5/8" long x 0.323" HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing
- ET & F pin or equivalent (0.10" shank x 0.25" HD x 1-1/2" long)
  Nails must penetrate minimum 1/4" into metal framing.

OSB minimum 7/16"
- Siding nail (0.09" shank x 0.221" HD x 1-1/2" long)

**KICKOUT FLASHING**

Because of the volume of water that can pour down a sloped roof, one of the most critical flashing details occurs where a roof intersects a sidewall. The roof must be flashed with step flashing. Where the roof terminates, install a kickout to deflect water away from the siding.

It is best to install a self-adhering membrane on the wall before the subfascia and trim boards are nailed in place, and then come back to install the kickout.

Figure 9, Kickout Flashing
To prevent water from dumping behind the siding and the end of the roof intersection, install a "kickout" of sufficient length and angle to direct the water running down the roof away from the siding.

Install siding and trim products in compliance with local building code requirements for clearance between the bottom edge of the siding and the adjacent finished grade.

Maintain a 1/4" clearance between the bottom of Cemboard® products and horizontal flashing. Do not caulk gap.

Maintain a minimum 1" gap between gutter end caps and siding & trim.

At the juncture of the roof and vertical surfaces, flashing and counterflashing shall be installed per the roofing manufacturer’s instructions. Provide a 1" - 2" clearance between the roofing and the bottom edge of the siding and trim.

**CLEARANCES (For elevations of 4000 ft. and above please refer to page 4 for specific requirements)**

Install siding and trim products in compliance with local building code requirements for clearance between the bottom edge of the siding and the adjacent finished grade.

Maintain a 1" - 2" clearance between Cemboard® products and paths, steps and driveways.

Maintain a 1" - 2" clearance between Cemboard products and decking material.

**Laminate sheet to be removed immediately after installation of each course for Factory Built Color products.**

**Figure 9, Kickout Flashing**
To prevent water from dumping behind the siding and the end of the roof intersection, install a "kickout" of sufficient length and angle to direct the water running down the roof away from the siding.

**Face Nailing should only be used where required for high wind areas and must not be used in conjunction with Blind Nailing**

**FACE NAILING**

Nails - Wood Framing
- 6d (0.113" shank x 0.267" HD x 2" long)
- Siding nail (0.09" shank x 0.221" HD x 2" long)

Screws - Steel Framing
- Ribbed Bugle-head or equivalent (No. 8-18 x 1-5/8" long x 0.323" HD) Screws must penetrate 3 threads into metal framing.

Nails - Steel Framing
- ET & F pin or equivalent (0.10" shank x 0.25" HD x 1-1/2" long)
  Nails must penetrate minimum 1/4" into metal framing.

OSB minimum 7/16"
- Siding nail (0.09" shank x 0.221" HD x 1-1/2" long)*

**Cemplank® Lap Siding**

Always face nail where required for high wind areas and do not use in conjunction with Blind Nailing.

**OSB minimum 7/16"**

- Siding nail (0.09" shank x 0.221" HD x 1-1/2" long)*

**Figure 9, Kickout Flashing**
To prevent water from dumping behind the siding and the end of the roof intersection, install a "kickout" of sufficient length and angle to direct the water running down the roof away from the siding.

**Figure 9, Kickout Flashing**

Because of the volume of water that can pour down a sloped roof, one of the most critical flashing details occurs where a roof intersects a sidewall. The roof must be flashed with step flashing. Where the roof terminates, install a kickout to deflect water away from the siding.

It is best to install a self-adhering membrane on the wall before the subfascia and trim boards are nailed in place, and then come back to install the kickout.

**Blind Nailing is the preferred method of installation for all Cemplank® Lap Siding products**

**FACE NAILING**

Nails - Wood Framing
- 6d (0.113" shank x 0.267" HD x 2" long)
- Siding nail (0.09" shank x 0.221" HD x 2" long)

Screws - Steel Framing
- Ribbed Bugle-head or equivalent (No. 8-18 x 1-5/8" long x 0.323" HD) Screws must penetrate 3 threads into metal framing.

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  Nails must penetrate minimum 1/4" into metal framing.

OSB minimum 7/16"
- Siding nail (0.09" shank x 0.221" HD x 1-1/2" long)
GENERAL FASTENING REQUIREMENTS
Fasteners must be corrosion resistant, galvanized, or stainless steel. Electro-galvanized are acceptable but may exhibit premature corrosion. The manufacturer recommends the use of quality, hot-dipped galvanized nails. The manufacturer is not responsible for the corrosion resistance of fasteners. Stainless steel fasteners are recommended when installing Cemboard® products near the ocean, large bodies of water, or in very humid climates.

PNEUMATIC FASTENING
Cemboard products can be hand nailed or fastened with a pneumatic tool. Pneumatic fastening is highly recommended. Set air pressure so that the fastener is driven snug with the surface of the siding. A flush mount attachment on the pneumatic tool is recommended. This will help control the depth the nail is driven. If setting the nail depth proves difficult, choose a setting that under drives the nail. (Drive under driven nails snug with a smooth faced hammer - Does not apply for installation over drive nails).

CAULKING
For best results use an Elastomeric Joint Sealant complying with ASTM C920 Grade NS, Class 25 or a Latex Joint Sealant complying with ASTM C834. Caulking/Sealant must be applied in accordance with the caulking/sealant manufacturer’s written instructions or ASTM C1193.

FACTORY BUILT COLOR TECHNOLOGY CAULKING, TOUCH-UP & LAMINATE
• Touch up nicks, scrapes and nail heads using the Factory Built Color technology touch-up applicator. Touch-up paint should be used sparingly. If large areas require touch-up, replace the damaged area with new Cemplank® lap siding with Factory Built Color technology.
• Laminate sheet must be removed immediately after installation of each course.
• Terminate non-factory cut edges into trim where possible, and caulk. Color matched caulks are available from your Factory Built Color product dealer.
• Treat all other non-factory cut edges using the Factory Built Color technology edge coaters, available from your Factory Built Color product dealer.

PAINTING
DO NOT use stain on Cemboard products. Cemboard products must be painted within 180 days for primed product and 90 days for unprimed. 100% acrylic topcoats are recommended. Do not paint when wet. For application rates refer to paint manufacturers specifications. Back-rolling is recommended if the siding is sprayed.

FACTORY BUILT COLOR TECHNOLOGY PAINTING
When repainting Factory Built Color products, the manufacturer recommends the following regarding surface preparation and topcoat application:
• Ensure the surface is clean, dry, and free of any dust, dirt, or mildew.
• Repriming is normally not necessary.
• 100% acrylic topcoats are recommended.
• DO NOT use stain or oil/alkyd base paints on Cemboard products.
• Apply finish coat in accordance with paint manufacturers written instructions regarding coverage, application methods, and application temperature.

COVERAGE CHART/ESTIMATING GUIDE
Number of 12’ planks, does not include waste

<table>
<thead>
<tr>
<th>COVERAGE AREA LESS OPENINGS</th>
<th>CEMPLANK® LAP SIDING WIDTH</th>
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<tr>
<td></td>
<td>5 1/4</td>
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<td>(1 SQ = 100 sq. ft.)</td>
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This coverage chart is meant as a guide. Actual usage is subject to variables such as building design. The manufacturer does not assume responsibility for over or under ordering of product.
SPECIFIC REQUIREMENTS FOR ELEVATIONS OF 4000 FT. AND ABOVE
ALL OTHER REQUIREMENTS SPECIFIED IN THESE INSTRUCTIONS AND NOT ADDRESSED BELOW ARE APPLICABLE.

- Do not use Cemplank® lap siding in Fascia or Trim applications.
- Maintain a minimum 2" clearance between Cemboard® products and roofs, decks, paths, steps and driveways (figs. 12, 13 & 14).

CLEARANCES
Maintain a minimum 2" clearance between Cemboard products and paths, steps and driveways.

Maintain a 2" minimum clearance between Cemboard products and decking material.

At the juncture of the roof and vertical surfaces, flashing and counterflashing shall be installed per the roofing manufacturer’s Instructions. Provide a 2" clearance between the roofing and the bottom edge of the siding and trim.

CUT EDGE TREATMENT (PRIMED & FACTORY BUILT COLOR PRODUCTS)
Caulk, paint or prime all field cut edges.