

City of Crystal Lake

Community Development Department

100 W. Woodstock Street
Crystal Lake, IL 60014
www.crystallake.org



Phone (815) 356-3605
Fax (815) 404-2107
building@crystallake.org

SIDING INSTALLATION

Please provide the following information when applying for a permit:

- Apply online using [City of Crystal Lake ez APP](#)
OR submit a [Building Permit Application](#)
Applications are available at City Hall or online at the City's website, www.crystallake.org.

Inspections

Please schedule all inspections by 4:00 P.M. the day before the inspection.

The following inspections are needed for siding installation:

- Progress inspection (after water resistive barrier has been installed)
- Final inspection (after all work has been completed)

Please provide the following when requesting an inspection:

- Inspection type
- Address
- Date and time frame (am or pm)
- Permit number
- Name and telephone number of homeowner/contractor requesting inspection

Requirements

Water-resistive barrier

- An approved water-resistive barrier shall be applied over studs or exterior wall sheathing.
Exception: Detached accessory buildings.
 - The water-resistive barrier shall be applied horizontally with the upper layer lapped over the lower layer by 2 inches.
 - Where vertical joints occur, barriers shall be lapped not less than 6 inches.
 - Barriers must be continuous from the top of the wall assembly to the foundation.
 - Manufacture's installation instruction shall take precedence over the above requirements.
 - All penetrations in exterior walls shall be sealed.

Vinyl Siding

- All vinyl siding shall comply with ASTM D 3679.
- All vinyl siding shall be installed per manufacture's installation instructions.
- Vinyl siding shall not be installed directly to wall studs without an exterior sheathing.
- The minimum thickness for vinyl siding is .035 inches.

Aluminum Siding

- Aluminum nails shall be used to attached aluminum siding.
- The minimum thickness for aluminum siding is .024 inches.
- Manufacture's installation instruction shall take precedence over the above requirements.

Fiber Cement Siding

- Panel siding
 - All fiber cement siding shall comply with ASTM C 1186.
 - Panels shall be installed with the long dimension parallel to the framing.
 - Vertical joints shall occur over framing members and be sealed with caulking or covered with battens.
 - Horizontal joints shall be Z-flashed and blocked with solid wood framing.
 - Manufactures installation instruction shall take precedence over the above requirements.
- Horizontal lap siding
 - All fiber cement siding shall comply with ASTM C 1186.
 - All lap siding shall be lapped a minimum of 1 ¼ inches.
 - **All ends shall be caulked.**
 - Manufactures installation instruction shall take precedence over the above requirements.

Flashing Requirements

- J-channel for vinyl siding and aluminum siding shall not serve the purpose of flashing.
- Approved corrosion-resistant flashing shall be applied in such a manner to prevent entry of water into the wall cavity or penetration of water to the buildings structural framing components. The flashing shall extend to the exterior wall finish.
- Flashing at exterior window and door locations shall extend to either the exterior wall finish or the water-resistive barrier (house wrap) for subsequent drainage.
- All projecting wood trim over windows and doors shall be flashed continuously.
- The flashing shall extend above the window and door openings and be behind the water resistive barrier if the barrier is present. It is not acceptable to tape the flashing to the barrier or structure unless the manufacture's specifications for the tape support this installation method.
- All freeze boards at the first and second floors shall be flashed.
- Deck ledger boards shall be provided with approved flashing.

Please note that the information provided in this handout is general in nature. If you have specific questions or need additional information, please contact a Community Development Department representative at (815) 356-3605 or building@crystallake.org.