

STORAGE AND HANDLING — Store ACRE Siding horizontally, fully supported on a flat surface. Do not stack pallets directly on the ground. — Keep covered, in a dry place out of direct sunlight, and away from surfaces that can develop excessive heat such as blacktop or reflected light — If stored on a damp surface, place a vapor barrier under the pallet. — Retain factory pallet covers to keep material clean and protected; replacements are available through your Modern Mill rep. — DO NOT pull boards from a stack from the end – always pick up boards from the center and carry on edge. — Boards must be installed immediately after cutting. — Watch for ambient temperature changes during installation that could affect product gapping.	WALL REQUIREMENTS & MOISTURE — Framing, sheathing, proper flashing, and weather-resistive barrier must comply with all applicable state and local building codes. — Min 1-1/4" penetration into solid framing. — ACRE requires a minimum 7/16" OSB or minimum 1/2" plywood sheathing. — The use of a draining/vented WRB is strongly recommended. — The use of button cap fasteners can create a non-planar surface, can interfere with shiplap siding engagement, and should be avoided. — Ensure no nails or screws are protruding – remove, replace, or add fasteners to create a smooth, continuous surface. — Avoid installing in standing water or areas that prevent water from draining away from the building. — For furring application, install 12" OC for vertical/diagonal siding installation and 16" OC for horizontal siding installation. Additional furring members may be needed at joints. — Furring should be secured to solid framing whenever possible. — Wood or rigid composite furring strips are recommended.
SAFETY — Wear safety glasses and appropriate personal protective equipment (PPE) for job site conditions. — Make sure all tools are in good working order and that their use is clearly communicated on site. — Follow proper safety practices for all power tools and job site equipment. — Fasteners have sharp edges – use proper care when handling. — Safety Data Sheets can be downloaded from modern-mill.com/resources.	MOVEMENT, CLIMATE & INSTALLATION TEMPERATURE ACRE will expand and contract with environmental temperature changes, most significantly where extreme temperatures exist. Ambient temperature, direct sunlight, and finish color all affect the degree of movement and must be factored into gapping at the time of install. Take particular care near a black or dark metal roof, which radiates excessive heat and can significantly increase movement. — To minimize the effects of temperature-related expansion and contraction – especially where gap quality is a primary concern – use shorter boards, lighter colors, and follow all fastening requirements. — Fasten ACRE as soon after cutting as possible to further minimize expansion and contraction effects. — Use ACRE Rabbeted Trim, or shorter boards with scarfed/rabbeted joints, to conceal the effects of expansion and contraction at board ends. — For best results, use the Cortex face-fastening system. — Allow 1/4" clearance from obstructions in the wall – windows, doors, mounting blocks, and similar. — When a course of siding runs underneath a window, fasten into solid framing every 8". — Seal all vertical joints along window and door edges with a high-grade exterior caulk. — Glue mitered corner joints, and pin nail to hold boards in place while curing; do not glue other trim joints – leaving them unglued allows for necessary movement.
BEFORE INSTALLATION ACRE contains PVC. Review spacing requirements, coatings, and all installation guidelines before starting – this ensures ACRE products perform as intended. Modern Mill will not accept liability under warranty for product failure caused by an application that does not meet ACRE requirements. — Rice hulls, like wood, can vary slightly in color – this is a unique feature of ACRE and can be seen both before and after staining. For best appearance, consider proper layout by mixing boards from various pallets or points of the stack. — Inspect all boards prior to installing for breakage, foreign objects, surface defects, and correct product/color before installing. — Do not install product with manufacturing errors – installation is considered final acceptance. — Ensure boards are dry before installation; do not finish or install wet or saturated material. — For cutting, use a fine-toothed finish blade for best results; a jigsaw can be used to cut around obstructions. — Keep boards out of direct sunlight when cutting or staging.	

GAPPING BY TEMPERATURE

TEMPERATURE	GAP
70°F	1/16" gap
70+°F	No gap

FASTENING & ADHESIVES

FASTENING

- Use proper fasteners: minimum 8d x 2-1/2" ring shank nails (0.099" diameter or larger), or minimum #8 x 2-1/2" screws.
- Do not use brads, finish/trim head nails or screws, or staples, unless otherwise directed in the installation instructions.
- Fasten with a minimum of 1-1/4" or greater penetration into solid framing, driven to proper depth.
- Underdriven button-cap fasteners may inhibit engagement of siding panels.
- Use a minimum of 5/8 "(3/4" preferred) material when using Cortex screws. See Cortex installation guide for proper fastening.
- Install fasteners flush to avoid any wall protrusions.
- To help keep mitered corners tight while the adhesive is curing, pin nail (stainless steel may apply) with a minimum of 2 pin nails, 3 for wider profiles and dark colors (LRV of 55 or lower)
- Fasten mitered corner assemblies into solid framing members.

ADHESIVES

- Use Titebond or other high-quality exterior grade adhesive for PVC for mitered corners.
- Apply construction adhesive to substructure for expansion/contraction management.
- OSI Quad Max (color-match) / Extreme Adhesive Fill & Flex (paintable) – Pliable with temperature changes.
- Recommend overlapping joints (shiplap, scarf) while color matching the interior joints.
- OSI Quad Max or any pliable adhesive-based caulk is recommended and can be used in the joint as needed to conceal gapping.
- In applying the adhesive, avoid long continuous horizontal application. Apply adhesive in vertical or diagonal fashion to ensure free water flow and ventilation.

TOOLS

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| — IMPACT OR STANDARD DRILL/DRIVER | — TABLE SAW | — HAMMER |
| — CIRCULAR SAW | — CONSTRUCTION ADHESIVE | — DRILL |
| — SPEED SQUARE | — HIGH-QUALITY EXTERIOR GRADE CAULK/ADHESIVE | — JIGSAW |
| — PENCIL | — MITER SAW | — TAPE MEASURE |
| — COIL SIDING NAILER | — EYE PROTECTION | — LADDER |

BURNING WARNING

Do not burn ACRE products or scraps. ACRE products are not safe to discard by burning and must not be used as firewood, kindling, or any other fuel source to create or maintain a fire or heat source.

LEGAL DISCLAIMER:

This document offers general installation guidance reflecting Modern Mill's recommended best practices for ACRE Siding. It does not substitute for engineering judgment, code compliance, or manufacturer instructions. Modern Mill assumes no liability for damage, injury, or product failure resulting from installation that does not conform to its published requirements.

IF YOU ENCOUNTER A SITUATION NOT COVERED BY THIS DOCUMENT, CONTACT US AT **601-869-5050** OR **INSTALL@MODERN-MILL.COM**

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ACRE Perfection Shingle
Siding General Construction
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