

ACRE™ BY MODERN·MILL



## PRODUCT GUIDE

SIDING

TRIM BOARDS

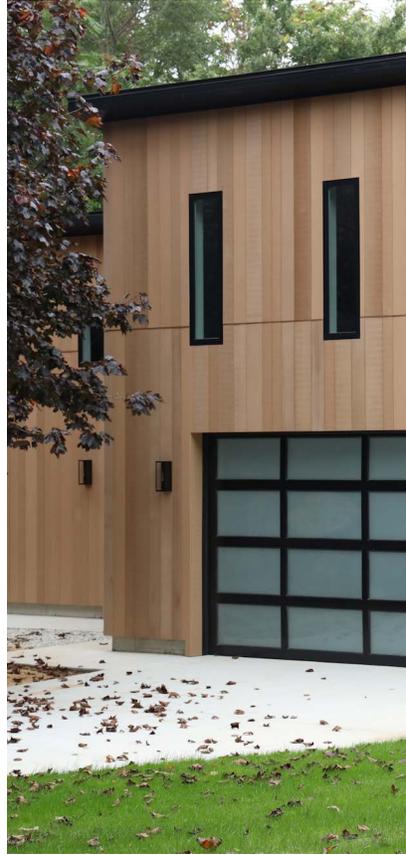
DECKING

SHEETS

MILLWORK



ACRE SHIPLAP SIDING  
Anchorage, AK



ACRE SHIPLAP SIDING  
Altamirano Holland, MI

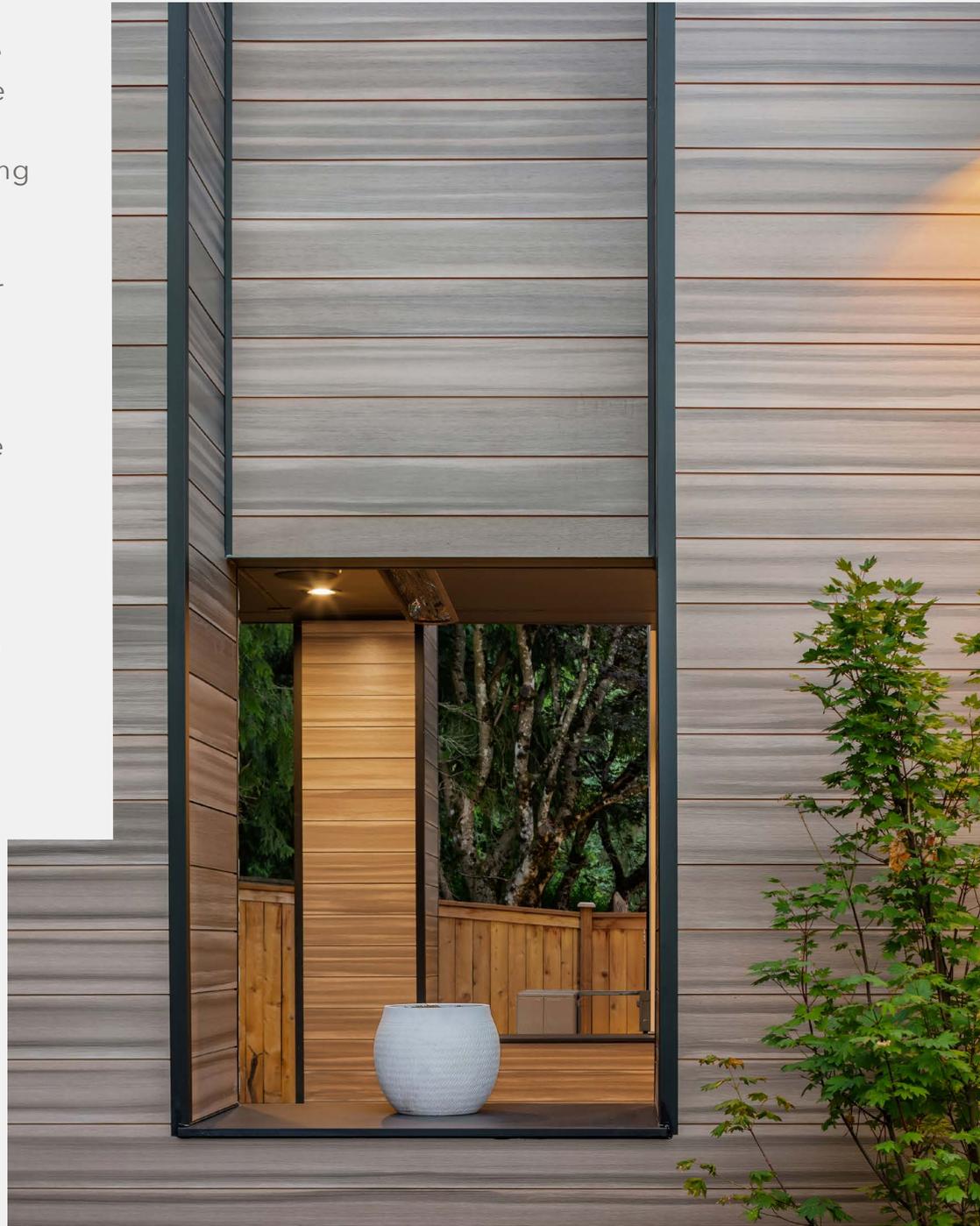


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# BUILD BETTER WITH ACRE

Modern Mill is leading the way toward a more sustainable future, one tree-free board at a time. Our award-winning building material, ACRE, is the ideal alternative to wood for countless exterior and interior applications. It's beautiful, easy to work with, easy to care for and better for the environment. ACRE is strong, water-resistant and guaranteed not to rot or splinter. **ACRE is a sustainable choice that doesn't sacrifice performance.**



ACRE SHIPLAP SIDING  
Kirkland, WA

## RESPONSIBLE, SUSTAINABLE AND LOCAL

We use discarded rice hulls that would otherwise go to landfills, and we embrace a zero-waste manufacturing process. ACRE products are free of phenolic plasticizers such as bisphenol A, formaldehyde, or phthalates, and adhesives. ACRE is 100% recyclable and can be used to form new products at our manufacturing facility in Mississippi, USA.

# WHY ACRE?

## WORKS LIKE WOOD - BUT BETTER!

- Paintable and stainable with an array of approved colors – no primer necessary
- Compatible with regular tools with less wear-and-tear on blades compared to hardwoods
- Easy to cut, rout, sand, fasten (no pre-drilling required), and glue – no mushrooming or splitting
- Strong screw and nail retention. Superior bond with approved PVC glues
- No harmful dust or residue
- Thermoform for folded corners, curves, and creative shapes
- Uniform texture throughout and finish-ready, no need to seal or treat ends or cut edges



ACRE Grain



Embossed

## NATURAL BEAUTY

- Genuine warm look and feel of wood
- Natural-looking grain
- Finish with hundreds of approved water based paint colors and signature stain colors – visit our online [Coatings Resources](#) for more information.
- Digitally print directly on ACRE's surface

## UNMATCHED DURABILITY

- Resistant to water, weather, pests, rot, and splintering
- Suitable for ground and water contact
- Sturdy, resists breakage and job site damage
- Easy maintenance – just use soap and water
- Virtually no moisture absorption so paint lasts longer than on wood
- Less expansion and contraction than competitive PVC products
- Lightweight, yet strong and straight

First time using **ACRE**



Be sure to consult **installation guides** and reference materials before working with ACRE products.



ACRE SHIPLAP SIDING  
Derry, NH





# ACRE SIDING

Wrap your home in the eco-friendly beauty and durability of ACRE Siding.

## SIDING PRODUCTS

- Shiplap Siding
- Nickel Gap Siding
- V-Groove Siding
- Edge and Center Bead/V-Groove Siding
- Board and Batten Siding

ACRE SHIPLAP SIDING  
Kirkland, WA

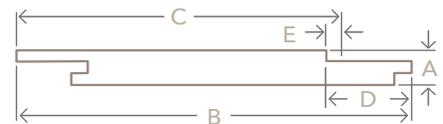
## SHIPLAP SIDING

**ACRE Shiplap Siding** offers a sleek, modern aesthetic while providing a timeless farmhouse charm, packaged in durable boards, ready to be finished.



### PROFILE DETAILS

Available in: ACRE Grain, Embossed



| Nominal Size | Actual Thickness (A) | Actual Width (B) | Reveal (C) | Tongue (D) | Gap (E) | Lengths       |
|--------------|----------------------|------------------|------------|------------|---------|---------------|
| 1"x6"        | 3/4"                 | 5-7/16"          | 4-1/2"     | 1-3/16"    | 1/4"    | 12', 16', 20' |
| 1"x8"        | 3/4"                 | 7-3/16"          | 6-1/4"     | 1-3/16"    | 1/4"    | 12', 16', 20' |
| 1"x10"       | 3/4"                 | 9-3/16"          | 8-1/4"     | 1-3/16"    | 1/4"    | 12', 16', 20' |

Locking tongue and groove application for a flat and straight install.

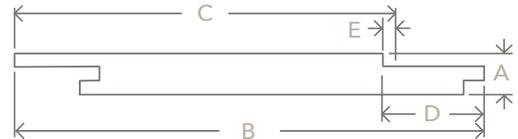
# NICKEL GAP SIDING

Effortlessly sleek, **ACRE Nickel Gap Siding** features clean and consistent gaps while delivering all the beauty of wood without the maintenance.



## PROFILE DETAILS

Available in: ACRE Grain



| Nominal Size | Actual Thickness (A) | Actual Width (B) | Reveal (C) | Tongue (D) | Gap (E) | Lengths       |
|--------------|----------------------|------------------|------------|------------|---------|---------------|
| 1"x6"        | 3/4"                 | 5-7/16"          | 4-1/2"     | 1-1/16"    | 1/8"    | 12', 16', 20' |
| 1"x8"        | 3/4"                 | 7-3/16"          | 6-1/4"     | 1-1/16"    | 1/8"    | 12' 16' 20'   |
| 1"x10"       | 3/4"                 | 9-3/16"          | 8-1/4"     | 1-1/16"    | 1/8"    | 12' 16' 20'   |

# V-GROOVE SIDING

Experience the bold and modern design of **V-shaped** channels without the drawbacks – durable, pest-resistant, and visually striking.



## PROFILE DETAILS

Available in: ACRE Grain



| Nominal Size | Actual Thickness (A) | Actual Width (B) | Reveal (C) | Tongue (D) | Lengths       |
|--------------|----------------------|------------------|------------|------------|---------------|
| 1"x6"        | 3/4"                 | 5-7/16"          | 4-1/2"     | 15/16"     | 12', 16', 20' |
| 1"x8"        | 3/4"                 | 7-3/16"          | 6-1/4"     | 15/16"     | 12' 16' 20'   |
| 1"x10"       | 3/4"                 | 9-3/16"          | 8-1/4"     | 15/16"     | 12' 16' 20'   |



Learn more  
at [modern-mill.com](https://modern-mill.com)

# EDGE & CENTER BEAD/ V-GROOVE SIDING

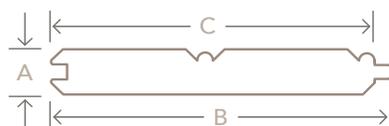
**Edge and Center Bead** is a reversible product with a beaded look on one side and a v-groove on the other.



## PROFILE DETAILS

Available in: ACRE Grain

Edge & Center Bead Side



V-Groove Side



| Nominal Size | Actual Thickness (A) | Actual Width (B) | Reveal (C) | Lengths |
|--------------|----------------------|------------------|------------|---------|
| 1"x6"        | 0.75"                | 5.4"             | 5.2"       | 16'     |

# BOARD & BATTEN SIDING

With the versatility of ACRE Trim Boards and Sheets, you can create show-stopping **board and batten** facades for your home's exterior and interior.



## BOARD AND BATTEN RECOMMENDATIONS

Board Options (ACRE Sheets)

1/2" or 3/4" Thickness

Batten Options (ACRE Trim)

1" x 2", 1" x 3", 5/4" x 2", or 5/4" x 3"

## ACRE SIDING

Auburndale Newton, MA



# ACRE TRIM

Finish your home in the eco-friendly beauty and durability of ACRE Trim.

## TRIM PRODUCTS

- Trim Boards
- Rabbeted Trim Boards



ACRE TRIM  
Board and Batten Siding  
Hammond, LA

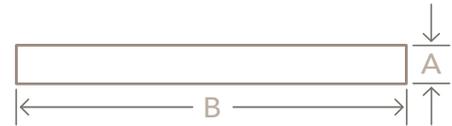
# ACRE TRIM BOARDS

ACRE Trim Boards add a final, beautiful touch to your projects.



## PROFILE DETAILS

Available in: ACRE Grain, Embossed



| Product Name   | Nominal Size                         | Actual Thickness (A) | Actual Width (B)  | Lengths   |
|----------------|--------------------------------------|----------------------|---|-----------|
| ACRE 5/8" Trim | 5/8" x<br>3",4",5",6",8",10",12",16" | 0.625"               | 2.5", 3.5", 4.5", 5.5", 7.25", 9.25",<br>11.25", 15.25" | 8' to 20' |
| ACRE 1" Trim   | 1" x<br>3",4",5",6",8",10",12",16"   | 0.75"                | 2.5", 3.5", 4.5", 5.5", 7.25", 9.25",<br>11.25", 15.25" | 8' to 20' |
| ACRE 5/4" Trim | 5/4" x<br>3",4",5",6",8",10",12",16" | 15/16"               | 2.5", 3.5", 4.5", 5.5", 7.25", 9.25",<br>11.25", 15.25" | 8' to 20' |

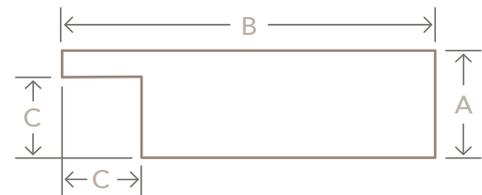
# ACRE RABBETED TRIM

ACRE Rabbeted Trim Boards are designed to cover the ends of ACRE siding for a clean and uniform finish. Rabbeted Trim boards eliminate the possibility of unsightly gaps, making for an even more beautiful finish and seamless installation experience.



## PROFILE DETAILS

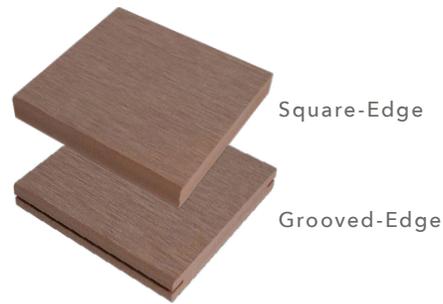
ACRE Grain | Embossed



| Product Name   | Nominal Size    | Actual Thickness (A) | Actual Width (B)  | Rabbet Length (C) | Lengths  |
|----------------|-----------------|----------------------|-------------------|-------------------|----------|
| ACRE 5/4" Trim | 5/4" x 4",6",8" | 0.938"               | 3.5", 5.5", 7.25" | 0.75"             | 16', 20' |

# ACRE DECKING

Experience the beauty and comfort of a wood deck combined with the unmatched sustainability and durability of **ACRE Decking**.



## PROFILE DETAILS

Available in: ACRE Grain, Embossed

Square-Edge



Grooved-Edge



| Product Name              | Nominal Size | Actual Thickness (A) | Actual Width (B) | Lengths   |
|---------------------------|--------------|----------------------|------------------|-----------|
| ACRE Grooved-Edge Decking | 5/4" x 6"    | 15/16"               | 5.5"             | 8' to 20' |
| ACRE Square-Edge Decking  | 5/4" x 6"    | 15/16"               | 5.5"             | 8' to 20' |



## INSTALLATION

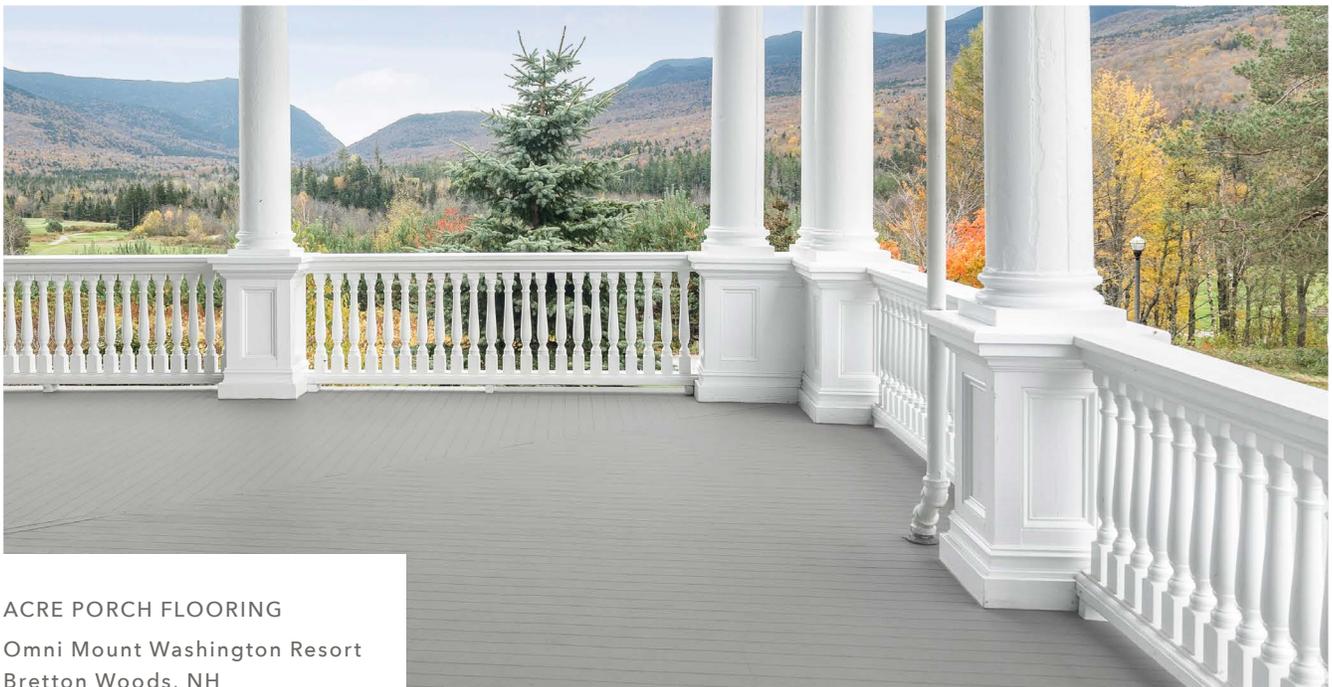
Recommended for square-edge profile:

- CORTEX HIDDEN FASTENER SYSTEM FOR ACRE
- FACE FASTEN

Recommended fastening systems for grooved edged profile:

- CORTEX HIDDEN FASTENER SYSTEM FOR ACRE
- CAMO EDGE® CLIPS
- CAMO WEDGECLIP™
- TIGER CLAW HIDDEN FASTENING CLIPS

ACRE DECKING  
Thousand Oaks, CA



ACRE PORCH FLOORING  
 Omni Mount Washington Resort  
 Bretton Woods, NH

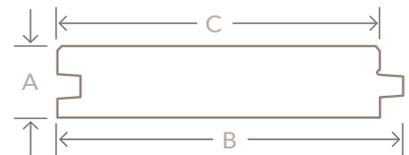
## ACRE PORCH BOARDS

**ACRE Porch Boards** come in a classic sanded-smooth profile with a tight tongue-and-groove system for minimal gapping between boards.



### PROFILE DETAILS

Available in: ACRE Grain



| Actual Thickness (A) | Actual Width (B) | Reveal (C) | Lengths          |
|----------------------|------------------|------------|------------------|
| 15/16"               | 3-5/16"          | 3"         | 10', 12' and 16' |

Locking tongue and groove application for a flat and straight install.



ACRE SHEETS  
Kitchen Cabinets  
Newton, MA

# ACRE SHEET GOODS

Suited for a wide range of applications, **ACRE Sheet Goods** are the perfect medium for executing your ideas. This revolutionary material can be cut, curved, shaped and molded to fit countless applications, both exterior and interior.



## PROFILE DETAILS

Available in: ACRE Grain, Embossed



| Product Name         | Thickness (A) | Width (B) | Lengths   |
|----------------------|---------------|-----------|-----------|
| ACRE 3/8" Sheet Good | 3/8"          | 4'        | 8' to 20' |
| ACRE 1/2" Sheet Good | 1/2"          | 4'        | 8' to 20' |
| ACRE 5/8" Sheet Good | 5/8"          | 4'        | 8' to 20' |
| ACRE 3/4" Sheet Good | 3/4"          | 4'        | 8' to 20' |
| ACRE 1" Sheet Good   | 15/16"        | 4'        | 8' to 20' |



ACRE SHEETS  
Kitchen Cabinets  
Orange County, CA

# ACCESSORIES & ADHESIVES



- We highly recommend using the following **accessories and adhesives** to ensure that ACRE products perform as designed and to expectations.
- We recommend using a PVC glue or cement, polyurethane glue or construction adhesives. Do not use wood glue.

Refer to our **installation guides** and **product expectations page** before installation.



CAMO EDGE®  
CLIPS

Compatible with  
ACRE Decking



CAMO  
WEDGECLIP™

Compatible with  
ACRE Decking



CAMO  
EDGEXMETAL®  
CLIPS

Compatible with  
ACRE Decking  
on metal framing



CORTEX HIDDEN  
FASTENER SYSTEM  
FOR ACRE

Compatible with ACRE  
Decking, Siding, and Trim



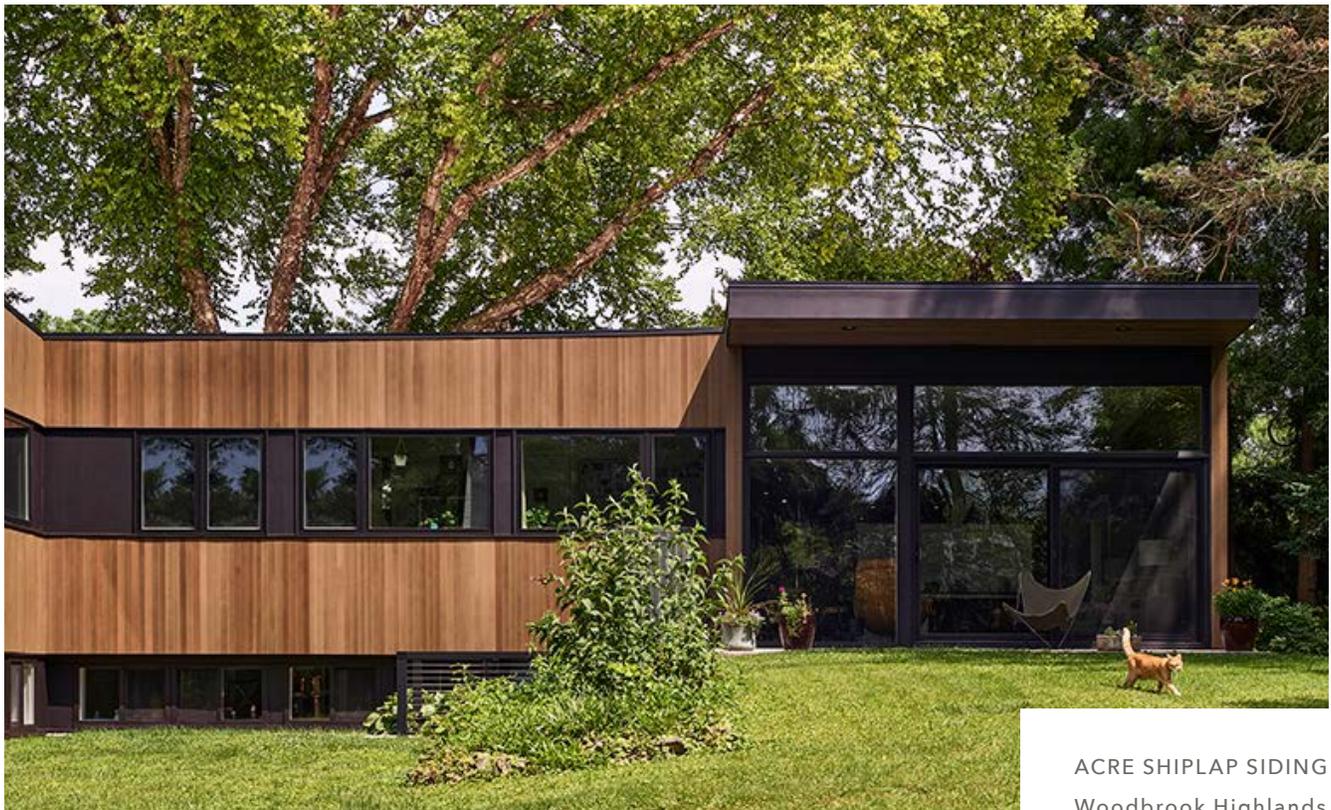
TIGER CLAW HIDDEN  
FASTENING CLIP

Compatible with ACRE  
Grooved Decking



TITEBOND PVC TRIM  
JOINT ADHESIVE

Compatible with all  
ACRE products



ACRE SHIPLAP SIDING  
Woodbrook Highlands  
Baltimore, MD



ACRE SHIPLAP SIDING  
Newton, MA

# HOW ACRE PERFORMS ON THE JOBSITE

## COMPARED TO WOOD

- Low maintenance with a limited lifetime guarantee against water, weather, and rot
- Cut, screw, nail or drill with regular tools
- Easier on blades than hardwoods
- No knots or sap lines
- Accepts water based paint and stain beautifully
- No primer required
- Suitable for direct ground contact
- 100% tree-free, sustainable and renewable

## COMPARED TO PVC

- No harmful dust
- No static cling
- No edge-gluing required
- No plasticky look or smell
- Paint or stain without priming
- Look and feel of real wood

## COMPARED TO COMPOSITES

- Lightweight yet strong and straight
- Easy on tools and blades
- Strong screw and nail retention
- No mushrooming, splitting or pre-drilling

# ACRE™ BY MODERN·MILL

## PRODUCT EXPECTATIONS

### INSTALLATION GUIDES

ACRE contains PVC. It's important to familiarize yourself with its spacing requirements, coatings and all installation guidelines. This will ensure ACRE products perform as designed and to expectations.

- TRIM
- DECKING
- FENCING
- SIDING
- PORCH BOARDS
- SHEETS

### COATING AND FINISHING

PROPER INSTALLATION REQUIRES CLOSE ADHERENCE TO MODERN MILL **COATINGS GUIDELINES**: This is a critical and important step, especially with outdoor applications for ACRE to perform as expected and to avoid the effects of excessive expansion and contraction.

ACRE does not absorb paints, stains, or clear coats as typical woods products do. For best results, we recommend applying coatings with boards on a smooth flat surface prior to installation.

ACRE products generally will not gray like natural woods in exterior applications. However, color may fade over time with increased UV exposure, therefore a UV-resistant stain or paint can help resist fading and make for easier cleaning and care.

### UNIQUE APPEARANCE

Note that rice hulls, like wood, can vary slightly in color, which can be seen in the final product both prior to and after staining. For best appearance it's important to mix boards from various pallets or various points of the stack.

### MOVEMENT

ACRE WILL EXPAND AND CONTRACT WITH ENVIRONMENTAL TEMPERATURE CHANGES. INSTALLATION CONDITIONS AND FINISH COLOR WILL IMPACT EXPANSION AND CONTRACTION. Refer to the proper product installation guide to ensure the best product performance and minimize the effects of expansion and contraction.

### FASTENERS

USING THE CORRECT TYPE AND NUMBER OF FASTENERS WILL ENSURE MATERIALS PERFORM AS INTENDED. DO NOT USE BRADS, FINISH/TRIM HEAD NAILS/SCREWS, OR STAPLES. Fasteners must penetrate solid framing members. All projects and designs are unique. For any installation questions please contact your Modern Mill Rep.

Caution: under driven button-cap fasteners may inhibit the engagement of siding panels.

### HEAT RETENTION

Coatings will affect product performance, including heat retention, therefore it's important to read the **Coatings Guide** and use manufacturer approved coatings and finishes.

### BURNING WARNING

Safety Warning: Do not burn ACRE products or scraps. ACRE products are not safe to be discarded by burning, used as a firewood, kindling or as any other source of fuel to create and/or maintain a fire or heat source.

### STORAGE AND HANDLING

We recommend keeping ACRE in a cool, dry spot, out of direct sunlight. Please acclimate ACRE products prior to installation. Always install ACRE immediately after making any cuts.

### ADHESIVES

We recommend utilizing a PVC glue or cement, polyurethane glue or construction adhesives. **Do not use wood glue.**

### STAINS AND CLEANING

ACRE products can be stained by certain foods, drinks and chemicals. Clean up any stains or dirt as quickly as possible and keep areas clean from debris. Soap and water, or a product like Simple Green® can clean most stains. In some cases, light sanding may be required. If using a power washer, we do not recommend pressure above 2500 psi and to use a wide fan tip or oscillating tip and keeping the tip a minimum of 12" from the surface.

### SURFACE MARRING (SCUFFS) AND LIGHT SURFACE DAMAGE

Like wood, ACRE might endure some dings, dents or marring on the job. Most light surface damage can be removed by simply sanding ACRE lightly with 120 grit sandpaper on a pole or block sander in the direction of the grain. Please note, less than 120 grit sandpaper may scratch the surface and affect the finish when stain is applied. We do not recommend the use of an orbital or palm sander as this can affect the ACRE grain structure.

### ENVIRONMENTAL IMPACT

ACRE by Modern Mill is made from upcycled rice hulls in a zero-waste manufacturing facility in the U.S.A. ACRE is tree-free, and free of phthalates, phenol, formaldehyde and adhesives. Contact us at [zen@modern-mill.com](mailto:zen@modern-mill.com) to learn about options for recycling.

### WARRANTY

ACRE products have a limited lifetime guarantee to be free from material defects that are a result of the manufacturing process, rotting or splintering as a direct result of the manufacturing process or by normal use and service provided conditions described in all installation materials and technical guides are met. In no event shall Modern Mill be responsible or liable for labor, installation, re-installation, freight, taxes or any other charges related to defective product. Visit our website to learn more: [www.modern-mill.com/warranty](http://www.modern-mill.com/warranty)

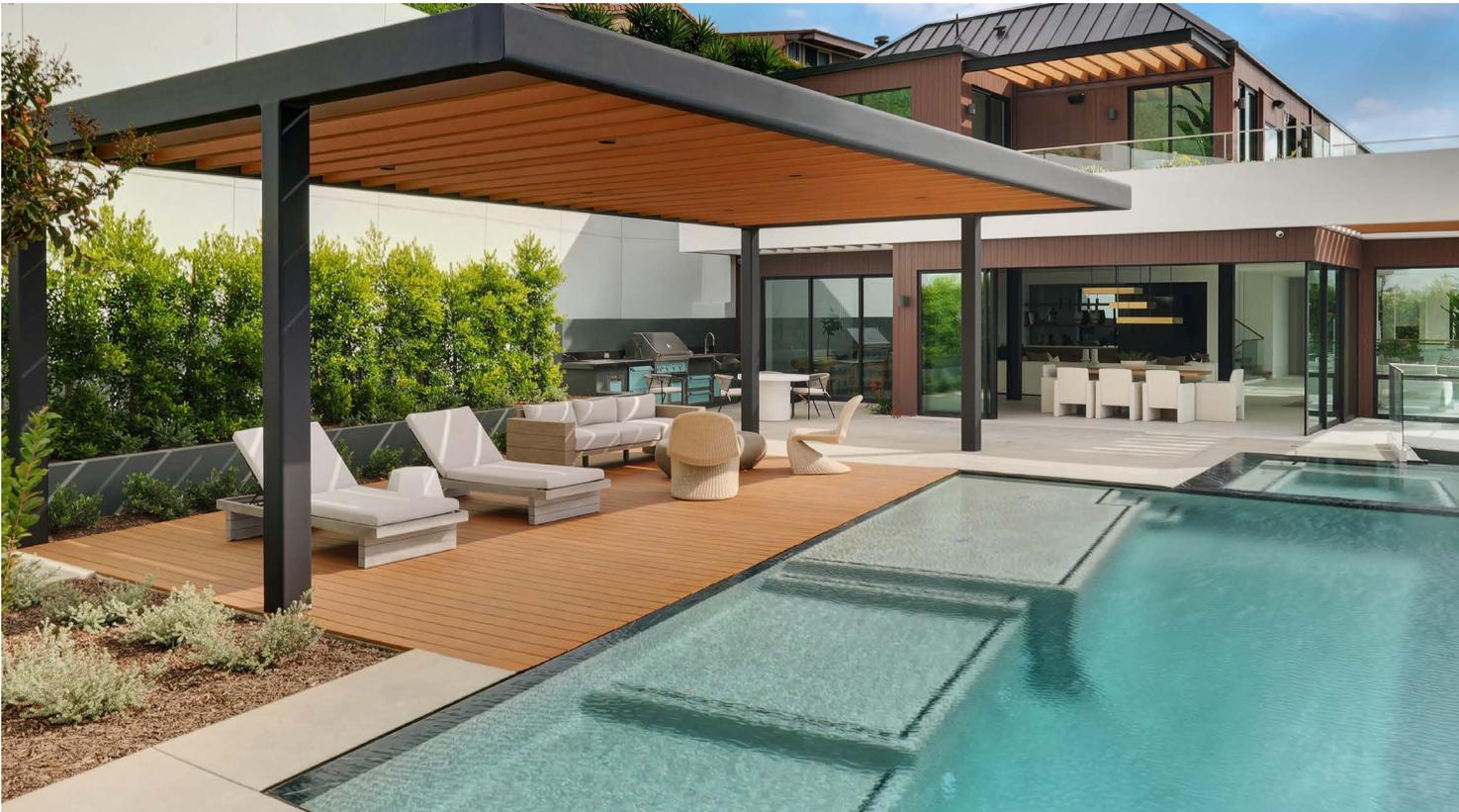
MODERN·MILL

601-869-5050 | [zen@modern-mill.com](mailto:zen@modern-mill.com) | [modern-mill.com](http://modern-mill.com)

### FIRST TIME USING ACRE?

Be sure to visit our **Product Expectations** page for all our installation guides and best practices before building with ACRE.





ACRE DECKING AND SIDING  
Laguna Beach, CA



ACRE SIDING  
The Lexie -  
Newton, MA

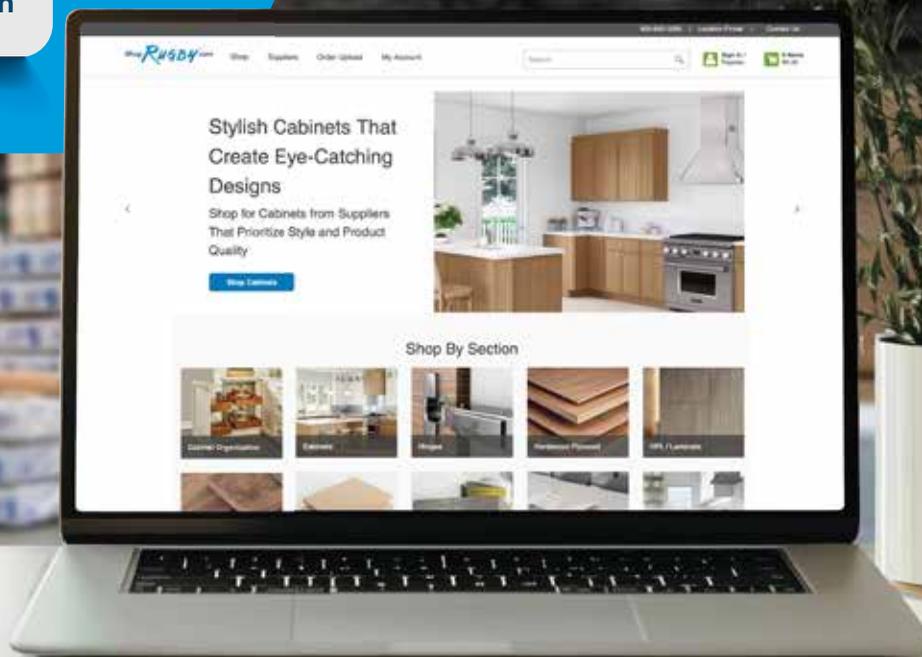
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