

reSAWN TIMBER co.™

Exclusive Manufacturer + Distributor of Abodo® in the USA



GRAPHITE

Three Falls Residence - Alpine, UT

Architect: Lloyd Architects

Designer: Anne Marie Barton





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Introducing Abodo in the USA

reSAWN TIMBER co. is proud to be the exclusive manufacturer and distributor of Abodo Vulcan Cladding and Decking products in the USA. Vulcan thermally modified wood cladding is created from New Zealand plantation timbers. The thermal modification process means Vulcan Cladding has superior stability and reduced resin content. It's naturally durable, so it doesn't require any chemical preservatives, and has a beautiful, consistent brown tone. Vulcan Cladding, which is available in a range of architectural profiles, is delivered pre-finished with 1 coat of Abodo Protector Oil (Abodo's high performance, penetrating exterior oil). A second coat of finish is required to be applied onsite by the installer post-install. STERLING, EGRET, OSPREY, KERERū and SiOO:X designs are the exception as they are completely pre-finished and do not require additional finishing onsite prior to install.

Wildland Urban Interface (WUI) Compliant

The Abodo product line is certified by the California Building Commission, qualifying it for inclusion in the Building Materials Listing Program (BML) Wildland-Urban Interface (WUI) Products Listing. Abodo stands among a limited selection of cladding materials approved for buildings designated in the WUI zones. Architects and contractors can reliably specify Abodo for use in all regions, without being constrained by WUI restrictions. Homeowners can rest assured knowing that choosing Abodo enhances the safety and resilience of homes against the threat of wildfires.

Benefits of Specifying Abodo Vulcan Cladding by reSAWN TIMBER co.

- Outstanding dimensional stability, resulting in less aesthetic maintenance; therefore, less coating over the lifetime of the product.
- All Abodo wood is produced from well managed, sustainable sources, including FSC® and other regionally certified woods. **reSAWN TIMBER co.** holds a FSC® Chain of Custody Certification.
- Carbon negative footprint: Each square foot of Vulcan Cladding stores 2lbs of carbon. Abodo wood is an environmentally compatible substitute for carbon intensive materials.
- 100% recyclable and reusable; naturally renewable.
- Warranty: 15 years against fungal decay*.
- Moisture Content: Approx. 7% MC (+/- 2%) at time of dispatch. Does not require acclimation prior to installation.
- Weight: 2lbs/sf (light weight cladding).
- ASTM D4442 - Moisture Content.
- SFM 12-7A-1 - WUI Exterior Wall Siding and Sheathing.
- Cal Fire Building Material List No. 8140-2379:0001
- Low VOC (85 g/L). **

Additional Benefits of Vertical Grain Vulcan Cladding:

- Glue: New generation Polyurethane adhesive - free of any VOC's, solvents or Formaldehyde.
- ASTM D5824 - Delamination Resistance.

* CALL RE SAWN TIMBER CO. FOR MORE WARRANTY DETAILS
** STERLING, EGRET, OSPREY and KERERū are 0 VOC

Why Abodo?

“Lifetime beauty with tomorrow in mind.”

Formed in 2001 by the Gudsell family, Abodo remains an innovative and progressive family business with a purpose. Based in New Zealand, Abodo prides itself on producing a range of beautiful and durable timber solutions that are safe, sustainable and renewable. The company has a strong ethos around ensuring its timber is ethically sourced and demonstrates extended producer responsibility. They are timber craftsmen. From milling to building, they respect their material, the people who use it and where it comes from.

Revered Industry Educators

Abodo secures “Trusted Advisor” and “Passionate Educator” status in the timber and construction industry, known for providing succinct and insightful information regarding timber innovation and related sustainability/environmental issues.

- **Lifetime beauty** - Abodo timbers are created to be enjoyed for years to come. Designed to age with grace, the timbers have exceptional weatherability and maintain their durability and beauty for a lifetime.
- **With tomorrow in mind** - Abodo timbers are harvested from New Zealand’s FSC® certified rapidly renewable plantation forests. They are ethically crafted with respect from beginning to end – allowing us to meet today’s increasing needs without disadvantaging future generations.

Growth

Abodo timbers are sustainably grown in New Zealand forests, where rich soils and high annual rainfall ensure rapid growth. With a sustainable annual yield of around 1.8 million hectares of radiata pine, New Zealand’s high yielding radiata pine plantations are the perfect source for raw material.

New Zealand is the ultimate base for sustainable forestry. Consistently ranked the world’s least corrupt country, New Zealand is not adversely affected by the corruption that effects wood producers in Brazil, South East Asia, and Africa.

Abodo chooses only the highest quality logs, which are then sawn in close proximity to the plantation. This means that transport-related emissions are minimized and operational efficiencies are maximized. Their strong partnerships with forest owners in New Zealand’s North Island ensure a consistent supply of high-quality FSC® certified logs.

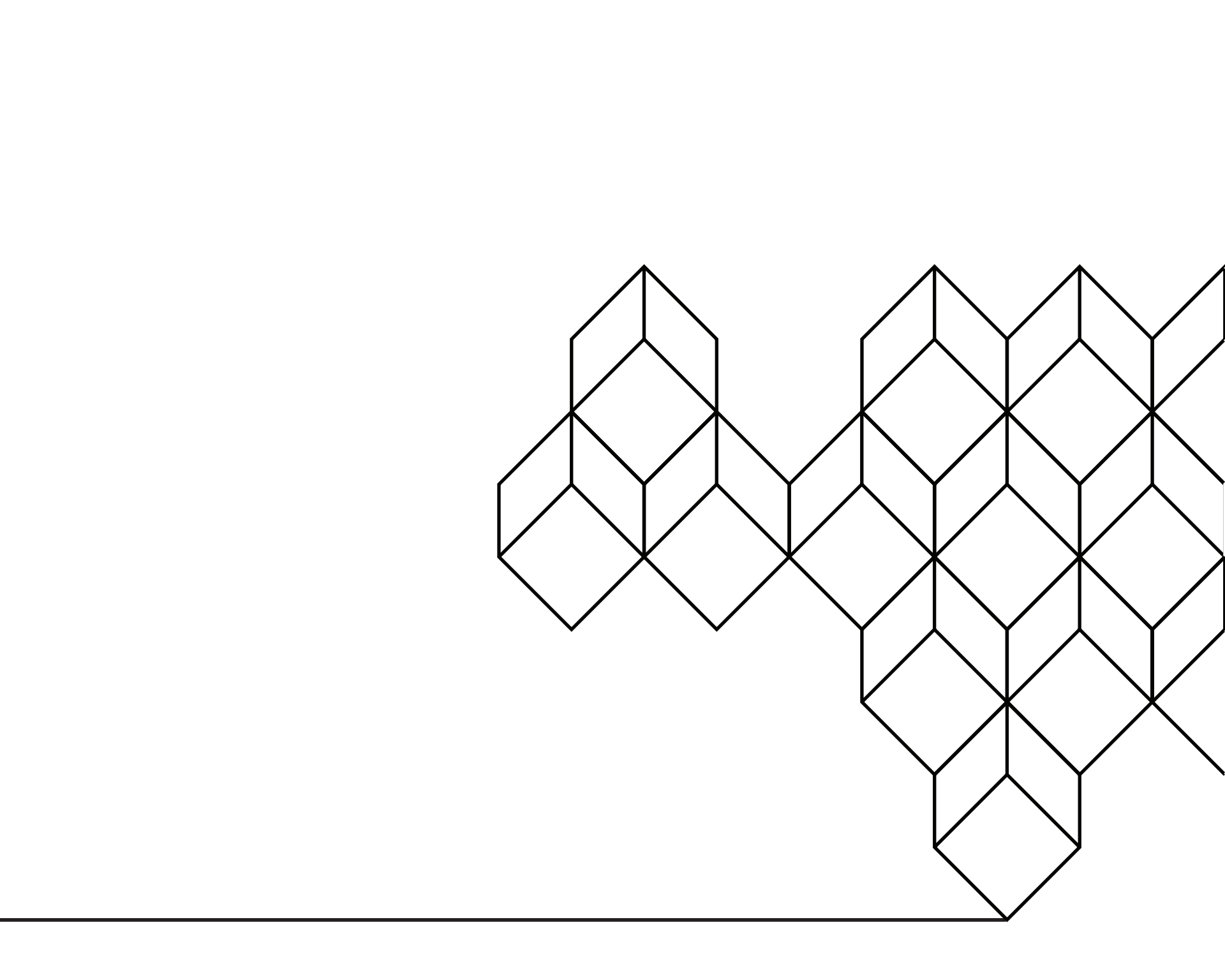
Declare.

Declare



Abodo is Declare Certified Red List Free by the Living Futures Institute, the leading label in transparency for building products.

SECTION 1 : ABODO VULCAN CLADDING





NERO & STRAW

Lakehouse Luxe

Taupo, New Zealand

Architect: Design Builders – Taupo

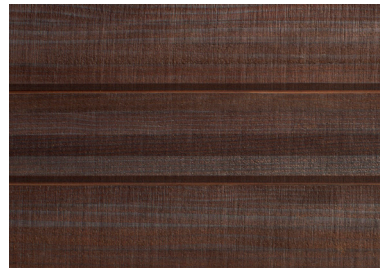


Vulcan Cladding Vertical Grain Fine Sawn Face

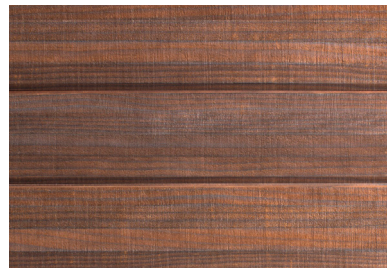
reSAWN TIMBER co.'s Abodo Fine Sawn Face Vulcan Cladding provides a unique, textured surface with beautiful grain depth. This fine sawn texture opens the wood grain to allow for optimal coating performance. Vulcan thermally modified wood cladding is created from New Zealand plantation timbers and engineered with a patented vertical grain orientation for superior weathering characteristics. All products except for EGRET, and STERLING are finished with Abodo Protector Oil. EGRET and STERLING are finished with reSAWN's 0-VOC Exterior Oil.



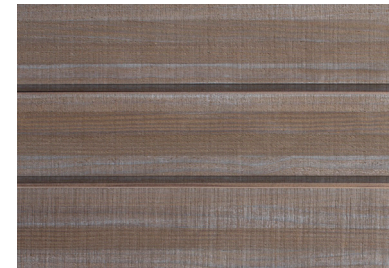
NERO
EXTERIOR CLADDING



WALNUT
EXTERIOR CLADDING



TEAK
EXTERIOR CLADDING



GRAPHITE
EXTERIOR CLADDING



NATURAL
EXTERIOR CLADDING



PEARL
EXTERIOR CLADDING



STRAW
EXTERIOR CLADDING



EGRET
EXTERIOR CLADDING & INTERIOR
WALL/CEILING CLADDING
(WEATHERED 2 MONTHS)



STERLING
EXTERIOR CLADDING & INTERIOR
WALL/CEILING CLADDING



PATINA
EXTERIOR CLADDING
(WEATHERED 2 MONTHS)

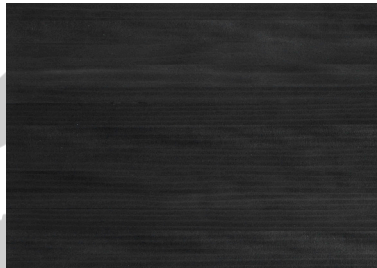


SiOO:X
EXTERIOR CLADDING
(PRE-WEATHERED)

Disclaimer: Product photos are meant to be a general guide to product appearance only. Due to our handcrafted process and wood being a product of nature, the color, grain pattern, character and profile will vary between individual boards on a project and will never be an exact match. Images shown with 2 coat application. Colors are subject to natural weathering - contact reSAWN for weathering guidelines.

Vulcan Cladding Vertical Grain Smooth Face

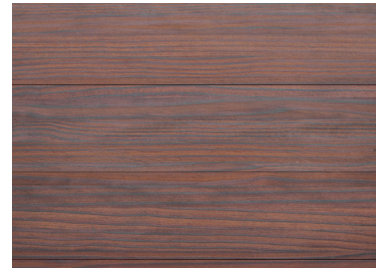
reSAWN TIMBER co.'s Abodo Smooth Face Vulcan Cladding is made using a proprietary brushing technique during manufacturing. Brushing the material opens the wood grain to allow for optimal coating performance. Vulcan thermally modified wood cladding is created from New Zealand plantation timbers and engineered with a patented vertical grain orientation for superior weathering characteristics. The brushing technique also provides a smooth, modern texture on the face of this unique clear vertical grain modified wood. All products except for OSPREY and KERERŪ are finished with Abodo Protector Oil. OSPREY and KERERŪ are finished with reSAWN's 0-VOC Exterior Oil.



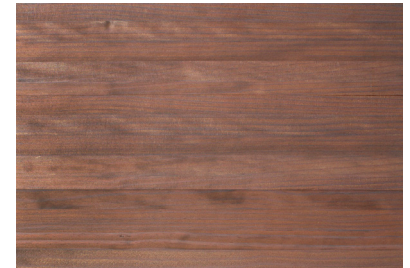
TUI
EXTERIOR CLADDING



WARBLER
EXTERIOR CLADDING



WEKA
EXTERIOR CLADDING



MYNAH
EXTERIOR CLADDING



KāREAREA
EXTERIOR CLADDING
(WEATHERED 2 MONTHS)



KERERŪ
EXTERIOR CLADDING & INTERIOR
WALL/CEILING CLADDING



OSPREY
EXTERIOR CLADDING & INTERIOR
WALL/CEILING CLADDING
(WEATHERED 2 MONTHS)

Disclaimer: Product photos are meant to be a general guide to product appearance only. Due to our handcrafted process and wood being a product of nature, the color, grain pattern, character and profile will vary between individual boards on a project and will never be an exact match. Images shown with 2 coat application. Colors are subject to natural weathering - contact reSAWN for weathering guidelines.

Pre-Finished Vulcan Cladding

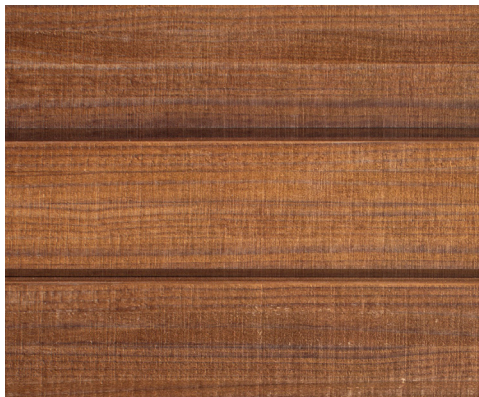
Vulcan Cladding is available pre-finished with **Abodo Protector Oil**, **SiOO:X Surface Treatment**, or **reSAWN's Exterior Oil Finish**.

Abodo Protector Oil: Abodo's Waterborne Protector Oil will nourish and protect external timbers. It uses the latest in waterborne oil technology combining refined plant oils, UV protection, advanced water barrier composition and an enhanced fungicidal package for superior exterior performance. A second coat of finish is required to be applied onsite by the installer post-install.

SiOO:X Surface Treatment: One design (SiOO:X) is pre-finished in SiOO:X natural wood coating. SiOO:X is a patented silicon technology which silvers off to a beautiful, low maintenance finish. Following application on timbers, SiOO:X cures by reacting with atmospheric carbon dioxide and moisture to form an insoluble and flexible silica network within the timber's surface. The formation of this silica network toughens the surface of the timber and forms an effective barrier against rot. In addition to the protective benefits gained, as the mineral silicate cures, over time it will start to turn the timber a beautiful silver/greyish tone, starting from around 10-16 weeks (depending on UV exposure the weathering period may vary). From reSAWN's experience, boards will initially go darker and then lighten over time. The end result is a consistently weathered, light grey timber with a stunning, low maintenance driftwood appearance.

reSAWN's Exterior Oil Finish: STERLING, EGRET, OSPREY and KERERŪ are pre-finished in reSAWN's Exterior Oil Finish. They are appropriate for interior and exterior applications and are pre-finished with a non-toxic, odor-free, one-coat, oil-based sealer for all types of exterior wood. Most oil-based wood sealers have petroleum solvents that are hazardous; this is the first zero VOC oil-based finish to raise the bar and offer a long-lasting wood protection without the off-gassing of toxic chemicals.

VULCAN CLADDING PRE-FINISHED WITH SiOO:X



DAY ONE



WEATHERED 3 MONTHS

Vulcan Cladding Vertical Grain Dimensions and Milling:

WB10

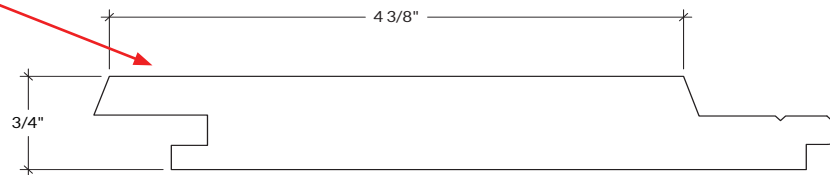
STANDARD DIMENSIONS:

+/- 3/4" thick X +/- 5" wide X 6'-16' random lengths

FACE:

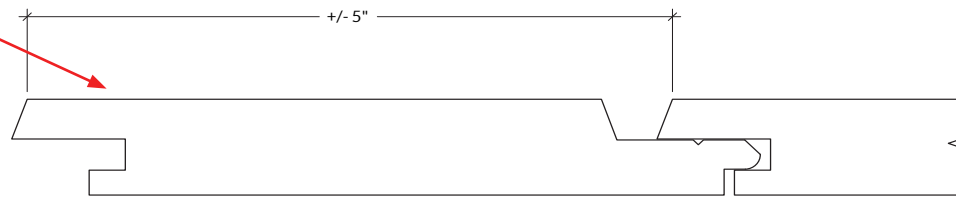
- STERLING, GRAPHITE, NERO, PATINA, PEARL, STRAW, TEAK, WALNUT, EGRET, SiOO:X, and NATURAL have a Fine Sawn Face
- MYNAH, TUI, WARBLER, WEKA, OSPREY, KERERŪ, and KāREAREA have a Smooth Face
- Arrows indicate face of profile - be sure to install correctly

WB10



BACK:

Fine Sawn WB10 **backs** are smooth
Smooth Face WB10 **backs** are textured



Vulcan Cladding Vertical Grain Dimensions and Milling:

TONGUE & GROOVE

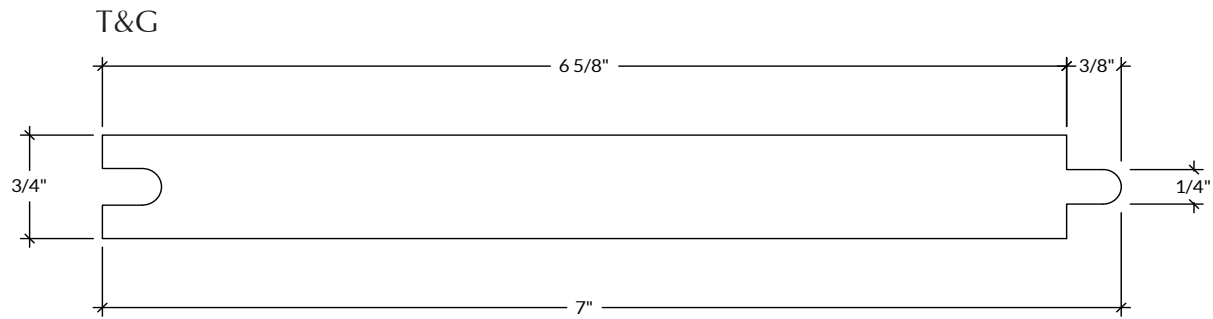
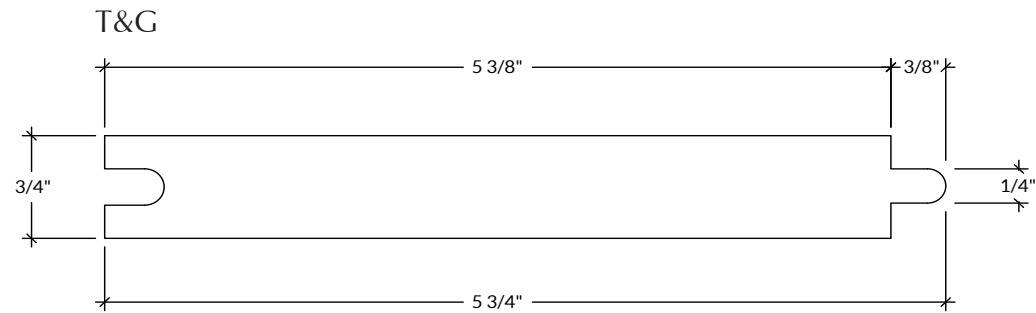
STANDARD DIMENSIONS:

+/- 3/4" thick X +/- 5-3/8" wide X 6'-16' random lengths

+/- 3/4" thick X +/- 6-5/8" wide X 6'-16' random lengths

FACE:

- STERLING, GRAPHITE, NERO, PATINA, PEARL, STRAW, TEAK, WALNUT, EGRET, SiOO:X, and NATURAL have a Fine Sawn Face
- MYNAH, TUI, WARBLER, WEKA, OSPREY, KāREAREA, and KERURŪ have a Smooth Face
- Be sure to install correctly



Vulcan Cladding Vertical Grain Dimensions and Milling:

SEM (SQUARE EDGE MODIFIED)

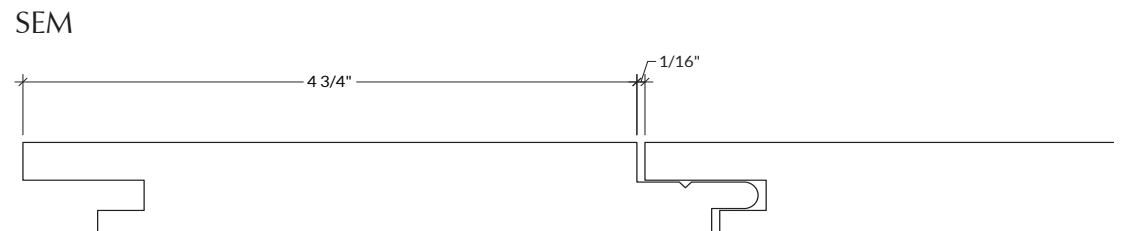
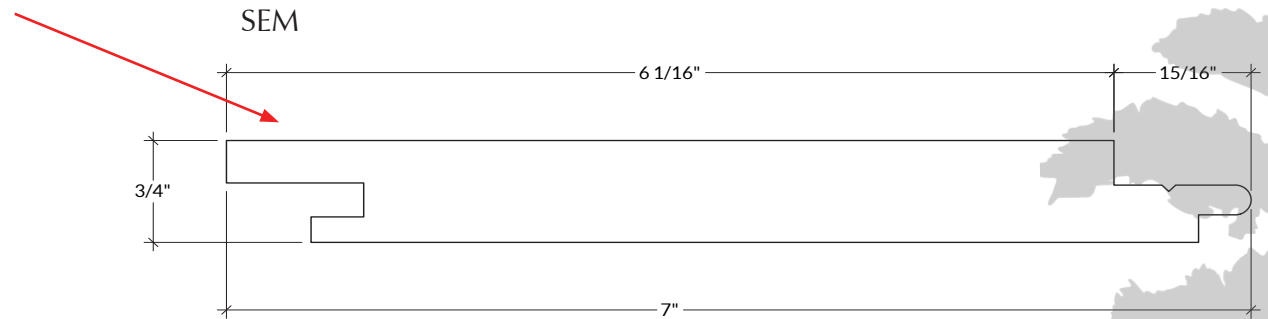
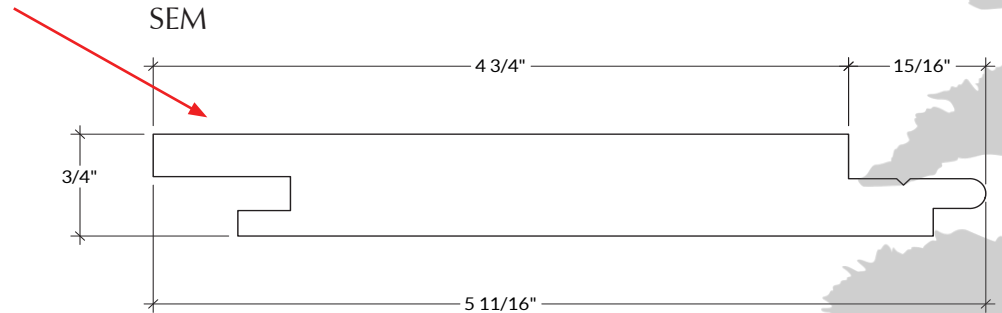
STANDARD DIMENSIONS:

+/- 3/4" thick X +/- 4-3/4" wide X 6'-16' random lengths

+/- 3/4" thick X +/- 6-1/6" wide X 6'-16' random lengths

FACE:

- GRAPHITE, NERO, PATINA, PEARL, STRAW, TEAK, WALNUT, SiOO:X, and NATURAL have a Fine Sawn Face
- MYNAH, TUI, WARBLER, WEKA, and KāREAREA have a Smooth Face
- Not available for STERLING, EGRET, KERERŪ and OSPREY
- Arrows indicate face of profile - be sure to install correctly
- These profiles are only approved for VERTICAL wall application only and should not be used in horizontal applications.



Vulcan Cladding Vertical Grain Dimensions and Milling:

SEM-FLR (SQUARE EDGE MODIFIED - FINE LINE REVEAL)

STANDARD DIMENSIONS:

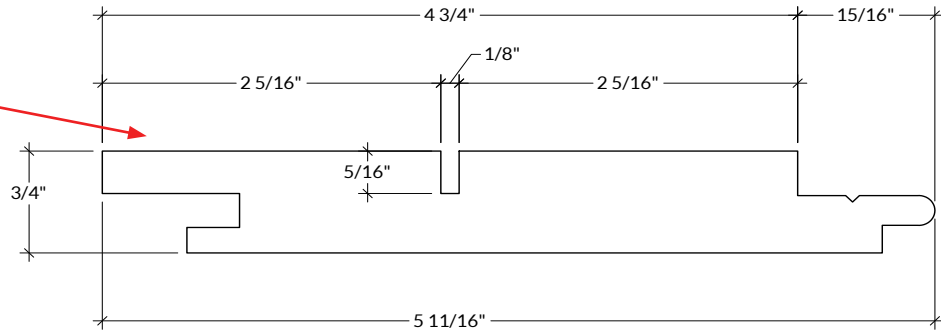
+/- 3/4" thick X +/- 4-3/4" wide X 6'-16' random lengths

+/- 3/4" thick X +/- 6-1/16" wide X 6'-16' random lengths

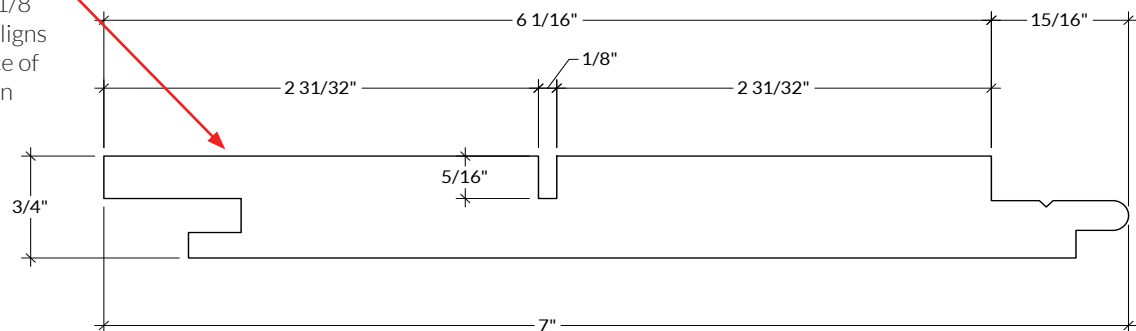
FACE:

- GRAPHITE, NERO, PATINA, PEARL, STRAW, TEAK, WALNUT, SiOO:X, and NATURAL have a Fine Sawn Face
- MYNAH, TUI, WARBLER, WEKA, and KāREAREA have a Smooth Face
- Not available for STERLING, EGRET, KERERŪ and OSPREY
- Arrows indicate face of profile - be sure to install correctly
- These profiles are only approved for VERTICAL wall application only and should not be used in horizontal applications.
- SEM-FLR profiles should be installed with a 1/8" expansion gap between boards. A 1/8" gap aligns with the width of the fine line cut into the face of the boards ensuring a uniform approach upon completion of installation. Typical shim used by installers to maintain 1/8" expansion gap: BARWALT SHIM

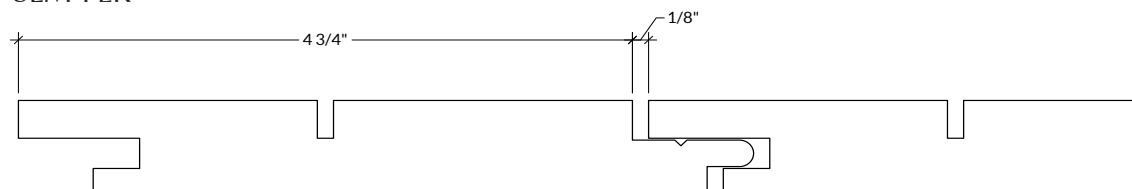
SEM-FLR



SEM-FLR



SEM-FLR



Vulcan Cladding Vertical Grain Dimensions and Milling:

S4S

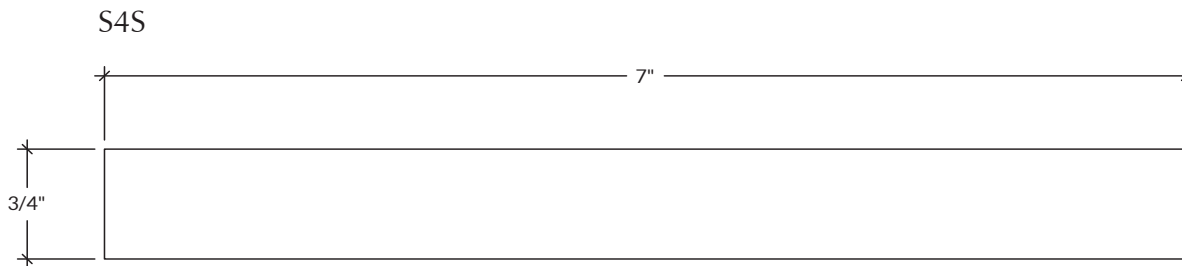
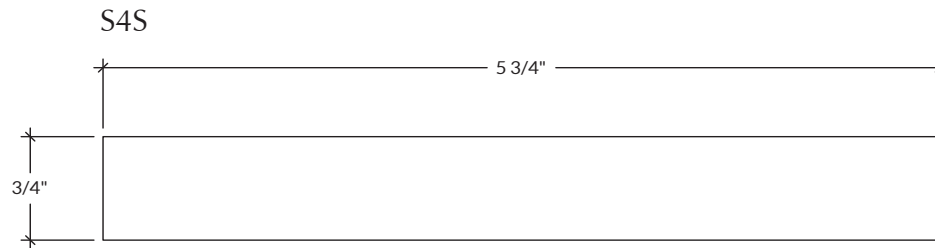
STANDARD DIMENSIONS:

+/- 3/4" thick X +/- 5-3/4" wide X 6'-16' random lengths

+/- 3/4" thick X +/- 7" wide X 6'-16' random lengths

FACE:

- STERLING, GRAPHITE, NERO, PATINA, PEARL, STRAW, TEAK, WALNUT, EGRET, SiOO:X, and NATURAL have a Fine Sawn Face
- MYNAH, TUI, WARBLER, WEKA, OSPREY, KāREAREA, and KERURŪ have a Smooth Face
- Be sure to install correctly



Vulcan Cladding Flat Sawn Dimensions and Milling:

Tongue & Groove, S4S

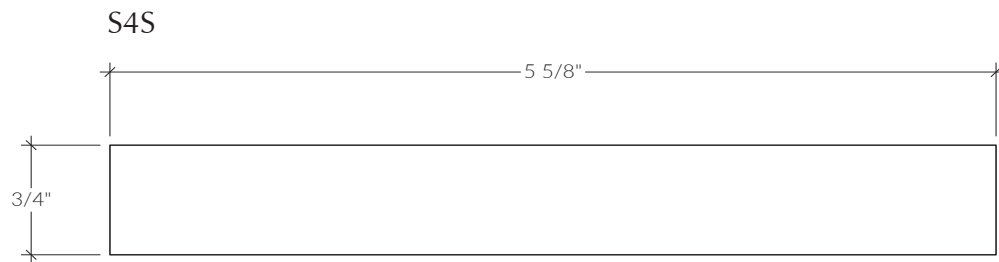
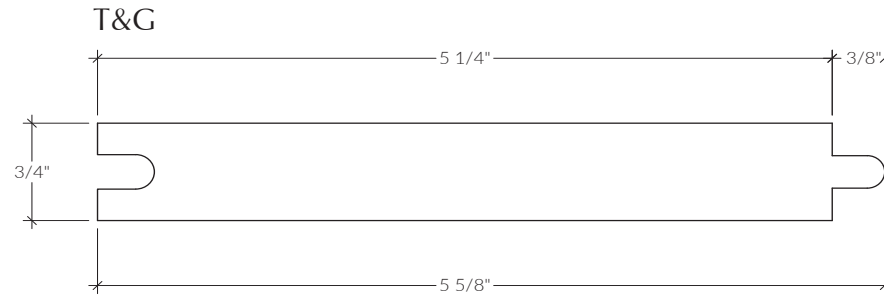
STANDARD DIMENSIONS:

(T&G) +/- 3/4" thick X +/- 5-1/4" wide X 6'-16' random lengths

(S4S) +/- 3/4" thick X +/- 5-5/8" wide X 6'-16' random lengths

FACE:

- TAUHARA, CALDERA, TARANAKI, GISBORNE, CANTERBURY, WAIKATO, and MANAWATU have a Flat Sawn face with a smooth texture
- Be sure to install correctly



Vulcan Cladding Vertical Grain Dimensions and Milling

(WB10) +/- 3/4" thick X +/- 5" wide X 6'-16' random lengths
(T&G) +/- 3/4" thick X +/- 5-3/8" wide X 6'-16' random lengths
(T&G) +/- 3/4" thick X +/- 6-5/8" wide X 6'-16' random lengths
(S4S) +/- 3/4" thick X +/- 5-3/4" wide X 6'-16' random lengths
(S4S) +/- 3/4" thick X +/- 7" wide X 6'-16' random lengths
(SEM or SEM-FLR) +/- 3/4" thick X +/- 4-3/4" wide X 6'-16' random lengths
(SEM or SEM-FLR) +/- 3/4" thick X +/- 6-1/16" wide X 6'-16' random lengths

*NOTE: CUSTOM WIDTH, LENGTHS AND MILLINGS AVAILABLE UPON REQUEST - CONTACT reSAWN TO DISCUSS

Specifications

Patented glue lamination is used for a modern, clean, vertical grain orientation. This provides superior weathering characteristics, greater stability and less surface cracking - this means the wood ages with grace as it's left to weather outdoors.

Species:	Radiata pine (Pinus radiata)
Grade:	Clear Vertical Grain Orientation
Finish:	Low VOC (85g/L)*
Applications:	Exterior applications only**
Dimensional Change:	Expected dimensional change in structure: Width expansion approx. 2%, length expansion approx. 0.25%, thickness expansion approx. 2.5% (from 7% MC to fiber saturation - variation will occur between boards).
Stability:	Approx. 50% more stable than non modified flat sawn radiata pine.
Janka Hardness:	Low (562 lbf)
Flame Spread Class Rating:	C (ASTM E 84)
Flame Spread Index:	80 (ASTM E 84)
Smoke Developed Index:	200 (ASTM E 84)
Durability Class:	1 (EN350-1), Class 2 above ground (AS5604), giving an anticipated service life of 60+ years

*STERLING, EGRET, OSPREY and KERERÚ are 0 VOC

**STERLING, EGRET, OSPREY and KERERÚ are available for interior applications

Sustainable Attributes and Possible LEED Credits

Forest Stewardship Council® (FSC®) - a guarantee that forest products come from responsibly managed sources, including forest management and chain of custody.

SS5 - Heat Island Reduction	MRC4 - Building product disclosure and optimization -Material Ingredients
MRC1 - Building Life-Cycle Impact Reduction	MRC 7 - FSC® Certified
MRC2 - Building product disclosure and optimization -Environmental Product Declarations	Red List Free: Free from Red List chemicals as required by the Living Building Challenge
IC1 Innovation	
MRC3 - Building product disclosure and optimization -Sourcing of raw materials	







Vulcan Cladding Product Handling

- Cladding and accessories must be kept clean, dry, under cover and out of the weather prior to installation.
- Timber must be stored horizontally on dunnage that is at least four inches off the ground.
- Extra care must be taken during installation so as not to damage the factory finish of the boards.
- Wear a dust mask and eye protection when cutting timber.
- Do not burn timber that is treated for insect resistance. Dispose of off-cuts in a lined landfill or an approved furnace.

Vulcan Cladding Maintenance

- Wash down every 12 months with gentle detergent, warm water and a soft brush. Do not powerwash.
- If possible, it is recommended to apply an additional coat of oil after approx. 12 months of weathering.
- Make a maintenance check every two summers. Check all weatherboards, junctions, flashings, moldings and replace or remediate as required to maintain weather tightness of the cladding system.
- Re-coat every 2-3 years or as required to maintain color and integrity of coating. Re-coat period may be longer or shorter depending on climatic conditions and/or positioning of cladding to the sun. Preparation with Rejuvenator or other similar oxalic timber cleaner is recommended prior to coating.
- For heavily soiled or moldy areas use Rejuvenator or similar timber cleaner, apply active moldicide and recoat with penetrating oil.
- Contact reSAWN TIMBER co. for more information on maintenance and product weathering.

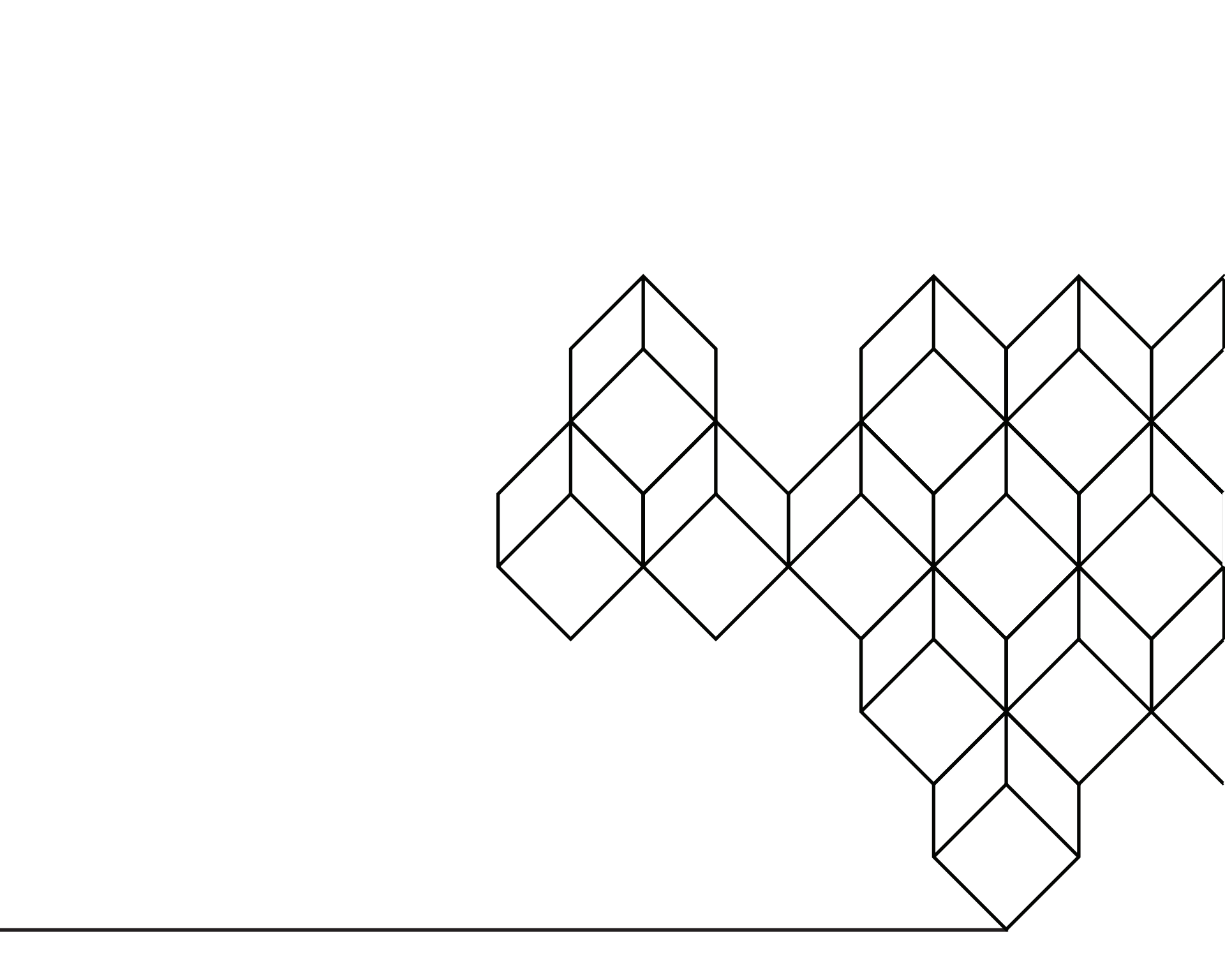
TEAK

New Fairfield Lake House, CT
Architect: Worrell Yeung





SECTION 2 : ABODO VULCAN DECKING



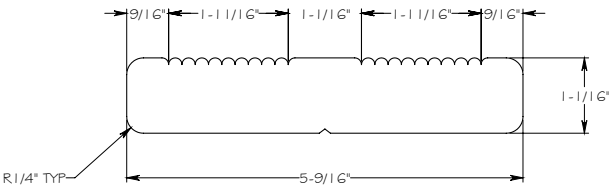
Vulcan Decking Product Offering

Vulcan Decking is created from thermally modified New Zealand plantation timbers. It's treated with an organic preservative system that includes water repellent for superior durability.

The thermal modification process gives the material an enhanced stability, reduced resin content, and is a beautiful, homogeneous, brown color. The premium grade and reeded face has little to no corrosiveness to most metals and can be coated on site.



Abodo Decking
CLEAR
SHOWN WITH 2 COAT APPLICATION





Decking Overview

Forest Stewardship Council (FSC®) - a guarantee that forest products come from responsibly managed sources, including forest management and chain of custody.

Red List Free: Free from Red List chemicals as required by the Living Building Challenge.

Built to Last Warranty: Vulcan Decking is covered by a 25 year Built to Last Warranty.

Treated with an organic system that includes water repellent for superior durability.

Vulcan Decking is supplied pre-finished with 1-coat of CLEAR Abodo Protector Oil (Abodo's high performance penetrating exterior oil) and requires a second coat to be applied onsite by the installer post-install.

Standard Decking Dimensions and Milling

+/- 1-1/16" thick X +/- 5-9/16" wide

DK16 Decking Profile

Decking Specifications

Premium Grade/Graded to the reeded face with mainly clear sections, but with some defects including knots and resin pockets allowed up to 1/3rd of the board width. Reverse face with defects permitted according to Standard Grade.

Species:	Thermally Modified radiata pine (Pinus radiata)
Grade:	Select Grade-Flat Sawn
Finish:	Low VOC (85g/L)
Applications:	Decking
Janka Hardness:	Low (562 lbf)
Durability Class:	1 (EN350-1), Class 2 above ground (AS5604), giving an anticipated service life of 60+ years

Decking Specifications *Continued*

- Weight: 2 lbs/sf (light weight decking).
- ASTM D4442 - Moisture Content.
- Approx. 12% MC (at time of dispatch from factory).
- Treated with OPX azole-based preservation system. Durability Class 1 (EN350), H3 (AS1604) and suitable for use Class 3 (EN335).
- Outstanding dimensional stability, which results in lower maintenance frequency and therefore less coating over the lifetime of the product.
- Width expansion approx. 3%, length expansion approx 0.25%, thickness expansion approx 1.5% change in surface* variation may occur between boards. (*Indicative tangential movement from 'dry' 12% MC to 'wet' fiber saturation approx 25% MC).

Abodo Decking Sustainable Attributes and Possible LEED Credits

All Abodo wood is produced from well managed, sustainable sources, including FSC® and other regionally certified woods. Additionally, reSAWN TIMBER co. holds FSC® Chain of Custody Certification. Abodo wood is an environmentally compatible substitute for carbon intensive materials. Environmentally compatible: 100% recyclable and reusable, naturally renewable.

SS5 - Heat Island Reduction

MRC1 - Building Life-Cycle Impact Reduction

MRC2 - Building product disclosure and optimization

Environmental Product Declarations

MRC3 - Building product disclosure and optimization – sourcing of raw materials

MRC4 - Building product disclosure and optimization – Material Ingredients

MR 7 - Certified Wood (FSC®)

IC1 Innovation

Red List Free : Free from Red List chemicals as required by the Living Building Challenge.





Decking Product Handling

- Prior to installation, keep decking boards dry and out of the weather or under plastic wrap, elevated four inches off the ground on dunnage.
- During installation, wear safety glasses, gloves, footwear and ear protection as appropriate.
- When cutting, do not breathe in wood dust - always wear a dust mask.
- Consult with a design professional, engineer or architect when building a deck with elevated or critical structural elements.
- Preservative treated Vulcan should be disposed of in a lined landfill or burned in an approved industrial furnace only.
- Adhere to local building codes and construction standards in all cases.

Decking Maintenance

- After exposure to the weather and foot traffic, the coating will start to fade and tracking marks may start to appear in heavy traffic areas. The coating should be re-applied once it begins to show signs of wear or water stops beading from the surface. Depending on sun exposure the re-coat cycle may be 12-18 months. Love your deck and it'll love you right back.
- Wash down regularly (at least every six months) with mild detergent, warm water and soft brush.
- All wood will go grey after extended exposure to the weather. To maintain color use a brown pigmented deck stain and re-apply on a regular basis.
- Surface cracking or 'checking' may occur after exposure to the weather. This can be reduced by using a quality decking stain and by installing boards with ribbed face up.
- Re-apply coating as required every 12-18 months.
- Mold growth will occur on timber, especially in high humidity conditions. For heavily soiled or moldy areas use Abodo Rejuvenator, a similar timber cleaner or oxygenating cleaner, then apply long-acting mold inhibitor such as Resene Deep Clean.

Contact reSAWN TIMBER co. for more information on maintenance and weathering of products.

Front Cover Image :

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