

Product Data Sheet Definition

A technical reference document that consolidates a product’s key characteristics, available options, dimensions, performance data, aesthetic attributes, certifications, compliance information, and supporting resources. It is intended to provide architects, designers, contractors, and other project teams with the information needed to evaluate, specify, approve, and appropriately use the product.

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What is Sylva™? | Thermally Modified Red Oak

Sylva™ features wood cladding that is sourced from abundant and sustainably grown U.S. forests. Currently, our offering consists of thermally modified North American Red Oak products that are locally sourced and manufactured in Pennsylvania. Through a chemical free process using heat and steam, thermal modification reduces moisture absorption and improves dimensional stability and durability.

Sylva™: Shou Sugi Ban Prefinished

Sylva is available with Shou Sugi Ban inspired finishes created through a controlled charring process that transforms the wood surface, producing distinctive color, texture, and visual depth.

Smooth

A relatively clean, refined appearance with minimal texture, allowing the finish color and natural character of the wood to remain visually prominent.



SOLEBURY

Exterior and interior Cladding



MONROE

Exterior and Interior Cladding



DOYLE

Exterior and Interior Cladding



MERION

Exterior and interior Cladding



ARDMORE

Exterior and Interior Cladding

Sylva™: Prefinished

These finishes combine color and surface texture to create visual expressions. The selected texture influences the overall appearance, surface depth, and variation of the product.

Smooth

A relatively clean, refined appearance with minimal texture, allowing the finish color and natural character of the wood to remain visually prominent.



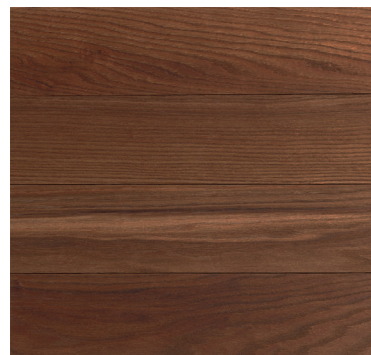
GALENA
Exterior and interior Cladding



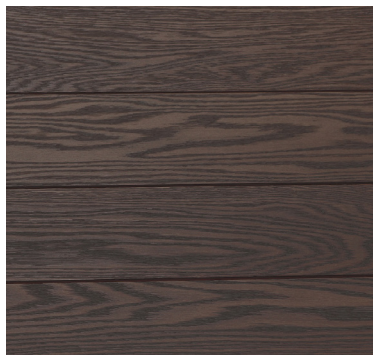
RADNOR
Exterior and Interior Cladding



WAYNE
Exterior and Interior Cladding



DUBLIN
Exterior and Interior Cladding



DEVON
Exterior and interior Cladding



BEDFORD
Exterior and Interior Cladding

Sylva™: Prefinished

These finishes combine color and surface texture to create visual expressions. The selected texture influences the overall appearance, surface depth, and variation of the product. Tactile and Linear share the same underlying finish colors but are differentiated by the texture applied to the wood surface.

Tactile

A moderately textured surface that adds depth and dimension that you can see and feel.



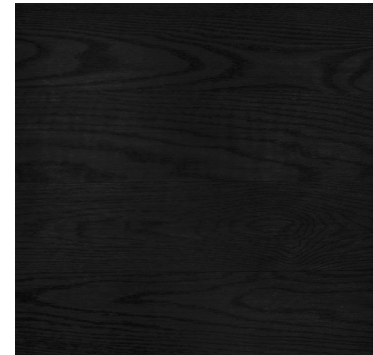
MONDARA Tactile
Exterior Cladding



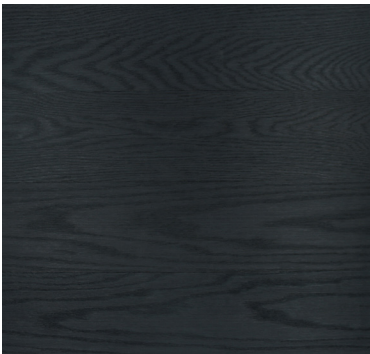
PINCHOT Tactile
Exterior and Interior Cladding



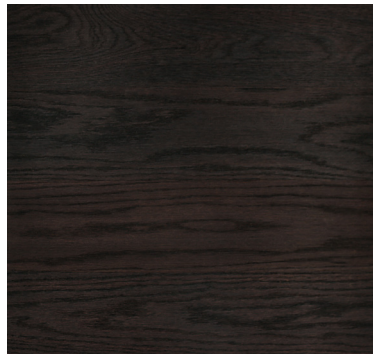
ROTHROCK Tactile
Exterior and Interior Cladding



TIA Tactile
Exterior and Interior Cladding



SINNEN Tactile
Exterior and Interior Cladding



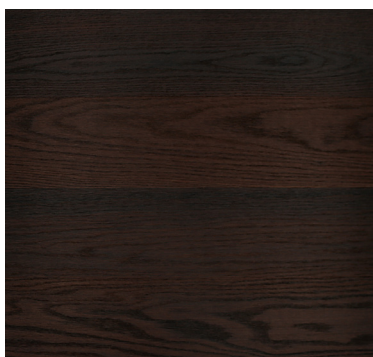
HAMERS Tactile
Exterior and Interior Cladding

Sylva™: Prefinished

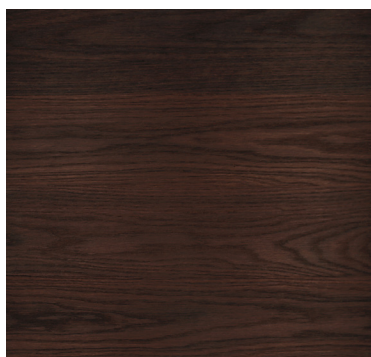
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Tactile

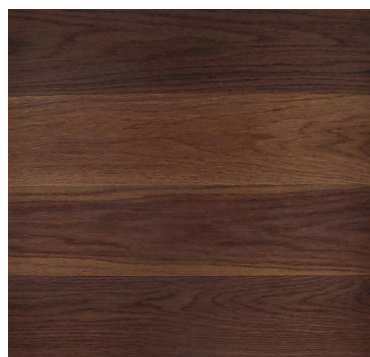
A moderately textured surface that adds depth and dimension that you can see and feel.



MICHAUX Tactile
Exterior and Interior Cladding



TUSCA Tactile
Exterior and Interior Cladding



SPROUL Tactile
Exterior and Interior Cladding

Sylva™: Prefinished

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Linear

A more heavily textured surface with fine, closely spaced lines running perpendicular to the grain for greater visual depth and character.



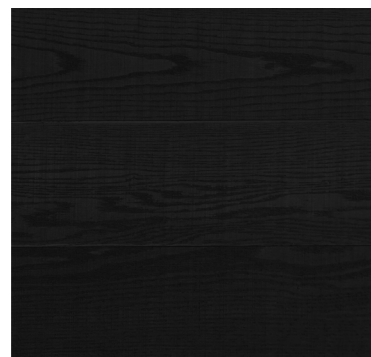
MONDARA Linear
 Exterior Cladding



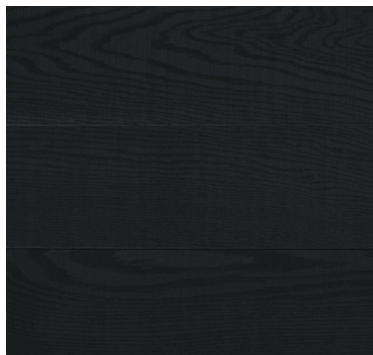
PINCHOT Linear
 Exterior and Interior Cladding



ROTHROCK Linear
 Exterior and Interior Cladding



TIA Linear
 Exterior and interior Cladding



SINNEN Linear
 Exterior and Interior Cladding



HAMERS Linear
 Exterior and Interior Cladding

Sylva™: Prefinished

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MICHAUX Linear
 Exterior and Interior Cladding



TUSCA Linear
 Exterior and Interior Cladding



SPROUL Linear
 Exterior and Interior Cladding

Attributes | “What is it?”

Fixed, intrinsic facts about the product’s identity. These fields do not change based on use, environment, or application context.

Field	Data
Species	North American Red Oak (Quercus rubra)
Grade	Select
Process	Thermal modification is a chemical free process that uses controlled heat and steam to modify the wood, reducing moisture absorption and improving dimensional stability, durability, and resistance to decay.
Dimensions	Tongue & Groove (T&G): 3/4” thick x 5-1/8” wide S4S: 3/4” thick x 5-1/2” wide Applicable for T&G and S4S: • 6’-16’ random lengths • Up to 5% of footage may be 3’-5’ lengths • Inquire about custom dimensions
Moisture Content (MC)	5%-6% MC at equilibrium
Average density	0.46 g/cm ³ (28.7 lb/ft ³)
pH (approximate)	3.75

Performance | “How does it perform?”

Measurable, testable outcomes under real-world conditions. Ratings, test values, and expected behavior over time.

Field	Data
Janka Hardness	1190.3 lbf, ASTM D 143
Dimensional Movement	Radial shrinkage 0.97%; Tangential shrinkage 1.64%
Durability Class	Class 1, EN 113-2:2020
Warranty	25 year limited warranty against rot and decay
Modulus of Elasticity	13,100 MPa
Modulus of Rupture	94.8 MPa
Fire Rating	Flame Spread Class Rating, Class III (C) Certain products can be fire treated to Class I (A) for interior applications. Contact RESAWN for applicable products.

Aesthetics | “What does it look like?”

Sensory and visual qualities a designer or specifier evaluates when selecting a product.

Field	Data
Visual Grade Characteristics	SELECT • Sound knots of a maximum 1/2” diameter permitted • No open knots on the sound face • Rare for a board’s sound face to show more than one knot
Finish type	Oil: SOLEBURY, MONROE, DOYLE, MERION, ARDMORE, GALENA, RADNOR, WAYNE, DUBLIN, BEDFORD, DEVON Waterborne Oil: TIA, SINNEN, ROTHROCK, PINCHOT, HAMERS, MICHAUX, TUSCA, SPROUL, Water-based Silicate System: MONDARA
Texture	Shou Sugi BanW Prefinished Smooth: SOLEBURY, MONROE, DOYLE, MERION, ARDMORE Prefinished, Smooth: GALENA, RADNOR, WAYNE, DUBLIN, BEDFORD, DEVON Prefinished, Tactile: TIA, SINNEN, ROTHROCK, PINCHOT, HAMERS, MICHAUX, TUSCA, SPROUL, MONDARA, Prefinished, Linear: TIA, SINNEN, ROTHROCK, PINCHOT, HAMERS, MICHAUX, TUSCA, SPROUL, MONDARA
Weathering Behavior	Color and tone will naturally evolve with UV and weather exposure; the rate and appearance of weathering vary by finish, orientation, and environmental conditions. See RESAWN's Weathering + Maintenance Guidelines for product-specific guidance.

Certifications, Compliance + Sustainability | “What supports it?”

Third party certifications, testing, code-related documentation, and environmental declarations used to support specification and compliance review.

Field	Data
WUI	Sylva has been tested as part of an exterior wall assembly to SFM 12 7A 1 for California WUI applications. Other code compliant assembly pathways may also be permitted. Final acceptance is subject to the project specific assembly, applicable code, and local AHJ. Contact RESAWN for documentation and tested assembly requirements.
FSC Certification	RESAWN is FSC® Chain of Custody certified and may supply Sylva with FSC 100% or FSC Mix claims, as applicable to the specific order. Contact RESAWN for more detail. • Certificate Code: SCS-COC-005058 • Trademark License Code: FSC-C122513
Declare	Sylva is covered by a current Declare Label and is LBC Red List Free.
LEED Contribution	May contribute to LEED v5 Building Product Selection + Procurement through eligible Declare and FSC documentation. Interior applications may also contribute to Low Emitting Materials requirements, subject to the selected finish system and project specific criteria. Applicable to LEED v5 BD+C and ID+C. Project teams are responsible for determining credit applicability and documenting compliance.
Regional Sourcing	North American Red Oak sourced in Pennsylvania.
Finish VOC Content	Zero VOC: SOLEBURY, MONROE, DOYLE, MERION, ARDMORE, GALENA, RADNOR, WAYNE, DUBLIN, BEDFORD, DEVON, MONDARA Low VOC (50g/l max): TIA, SINNEN, ROTHROCK, PINCHOT, HAMERS, MICHAUX, TUSCA, SPROUL

Special Notes

Supporting References

- Material Characteristics + Expectations Guide: General information on natural wood characteristics, variation, and expected appearance.
- Exterior Wood Cladding Installation Guide: Installation requirements and recommendations for exterior applications.
- Interior Wall Cladding Installation Guides: Separate guidance for Charred and Prefinished products.
- Maintenance Guides: Cleaning, recoating, touch up, and end sealer guidance, as applicable to the selected product and finish.
- Weathering Guides: Product specific guidance on expected color and appearance changes from UV exposure and environmental conditions.
- 3-Part Specification: Project specific specification language prepared by RESAWN upon request to support open bid or closed bid procurement.

Services

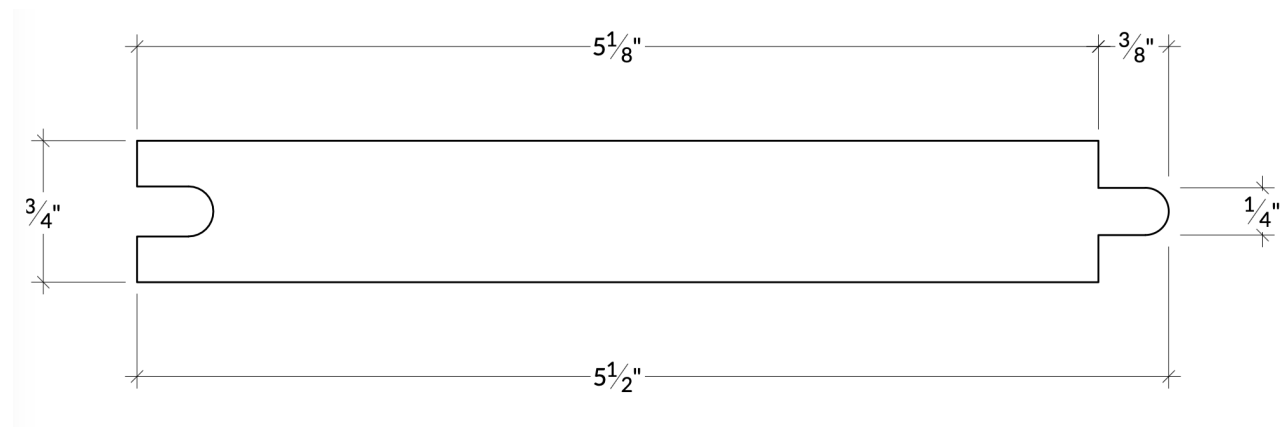
- Design Assist Services: Fee-based, project-specific technical and design support available through RESAWN for product integration, detailing, constructability, attachment strategy, mockup planning, specification support, and related project needs.

Standard Dimensions + Milling | Custom dimensions and milling may be available upon request

Drawings shown below are not to scale and are provided for reference only to illustrate general configuration and design intent.

Tongue and Groove (T&G): 3/4" x 5-1/8" x 6-16' random lengths

Up to 5% of footage may be made up of 3'-5' length pieces



Surfaced 4 Sides (S4S): 3/4" x 5-1/2" x 6-16' random lengths

Up to 5% of footage may be made up of 3'-5' length pieces

