

LUDOWICI®
Trusted. Timeless. Terra Cotta.



THE SLATE COLLECTION



ABOUT TERRA COTTA SLATE *ALTERNATIVES*

Some of our most popular profiles, Ludowici's terra cotta slate roofing products offer the true rustic aesthetic of real natural slate materials, without the maintenance.

Unlike other slate roof alternatives, our terra cotta clay roof tiles are easier and less expensive to install than natural slate, and are more durable than synthetic slate. Our terra cotta slate roof tiles are walk-able, noncombustible, and carry Grade 1 ASTM certification for less than 2% water absorption, including our LudoSlate lightweight tile option, which is perfect for renovation.



BENEFITS

- ASTM C1167 Grade 1 Certified
- Fireproof: Class A Fire Rated
- Lowest water absorption
- No warping or curling
- Salt-Resistant
- Made for Freeze-Thaw
- Lightweight
- Unmatched durability
- Sustainable material
- Low maintenance
- Domestic product for over 130 years
- 75-Year Warranty, including color
- Custom color capabilities

75 YEAR WARRANTY



LUDOSLATE | 60% Brunswick Black;
40% Custom Color SL3/SL1Mist M>H



LIGHTWEIGHT OPTIONS

Ludowici offers several terra cotta roofing products that are considered lightweight at 600 lbs per square. This is slightly heavier than saturated, designer asphalt shingles, yet much lighter than concrete tiles and medium thickness natural slates.





SLATE VS. CLAY WHAT'S THE *DIFFERENCE?*

Natural slate is one of the most expensive roofing materials on the market, and still requires adequate maintenance over time. Unlike Ludowici clay tiles, natural slate:

- ◆ Has limited color availability and no customization
- ◆ Has a variance that is difficult to match in other building products and can cause a dead end in design if no matching choices are available.
- ◆ Can be hard to replace. Slate is run by lot, and each lot is different. If you need a replacement, it can be VERY difficult to find a blend-able match.
- ◆ Can be very heavy depending on the thickness selected.
- ◆ Can often have a long lead time.
- ◆ May be able to import seemingly economical options, but they are typically low quality, with rapid spalling rates and can become discolored.



Pictured: Slate products showing delaminating and mold growth

SLATE TILE PROFILES

Ludowici slate roof alternatives feature all the beauty of natural slate with the enhanced durability and longevity of terra cotta. Our slate tiles come in varying degrees of natural, quarried, and stone profiles. Additionally, we have multiple custom shingle tile options that fit the aesthetic of real slate or stone roofing products.



LUDOSLATE



LUDOSLATE PREMIER



COTSWOLD



CUSTOM SHINGLE



SLATE TILE PROFILES

Our slate alternative terra cotta roofing offers the true rustic aesthetic of real natural materials, without the maintenance. Our LudoSlate profile can be ordered in one size or a Premier option offering three sizes to create a random appearance. Tiles can be installed in straight rows or staggered for a more rustic appearance. Made with a pressed quarried texture, Ludowici's slate alternatives are easy to install, maintenance-free, and carry a 75-year material warranty, including color.



Pictured: LudoSlate Premier in Ebony Mist



Shown in Custom Blend

LUDOSLATE



Shown in Custom Blend

LUDOSLATE PREMIER



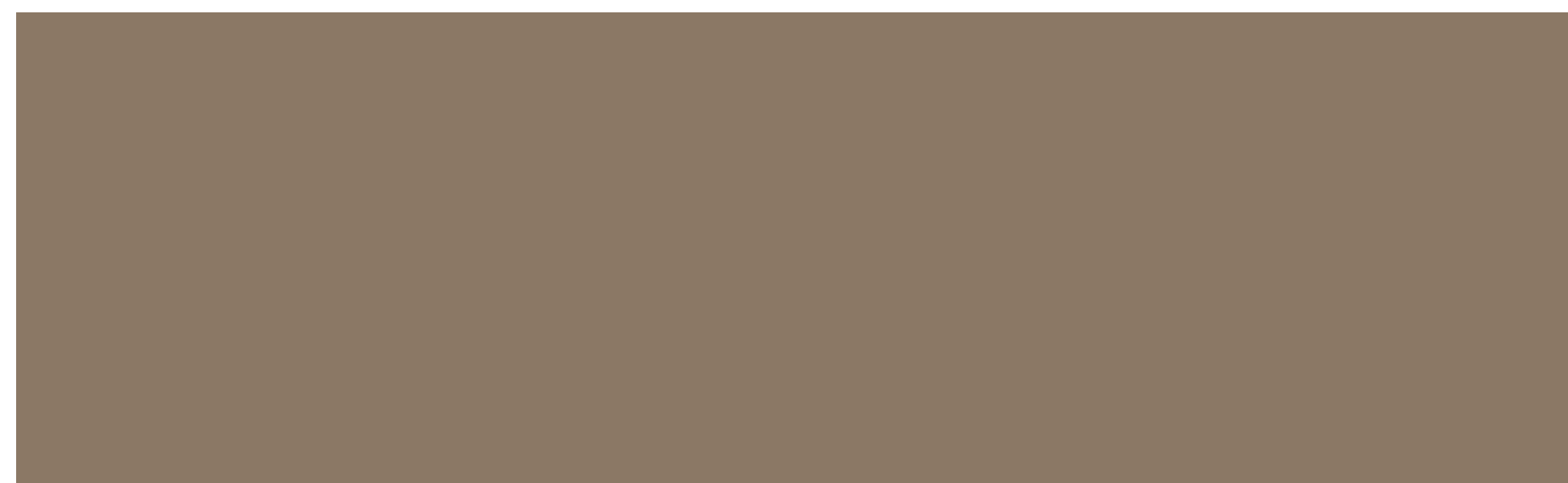
Shown in Custom Blend

COTSWOLD



Shown in Custom Blend




CUSTOM





SLATE TILE ATTRIBUTES

Crafted from sustainable high-quality clay sourced just miles from our Ohio factory, our terra cotta slate alternatives are the most natural-looking, longest-lasting and affordable slate alternatives on the market. With options starting at just 600 lbs. per square, this lightweight alternative is perfect for even the most sensitive installation.

PHYSICAL CHARACTERISTICS						
PROFILE	WEIGHT PER SQUARE (LBS)	PIECES PER SQUARE	OVERALL SIZE	EXPOSURE	REC. MIN. SLOPE*	BASE TEXTURE
 LudoSlate	598	111	10 ³ / ₄ " x 16" x 3/4"	10 ¹ / ₈ " x 13" x 3/4"	3:12*	Natural Slate
 LudoSlate Premier	676	119 (Half Tile: 10; Two-Thirds Tile: 9; Full Tile: 100)	5 ³ / ₄ " x 16" x 3/4" 7 ³ / ₄ " x 16" x 3/4" 10 ³ / ₄ " x 16" x 3/4"	5" x 13" x 3/4" 7" x 13" x 3/4" 10 ¹ / ₈ " x 13" x 3/4"	3:12*	Natural Slate
 Cotswold	1,925	333	7" x 14 ³ / ₈ " x 5/8"	7" x 6 ⁵ / ₁₆ "	5:12*	Stone

**Table sorted by lightest to heaviest product profiles

*This is our recommended minimum slope. For slopes less than our recommended minimum, additional information needs to be considered. A Ludowici "Whitepaper" regarding discussions needed is available from your local sales representative for additional consideration.

SLATE COLOR BLENDS

Ludowici slate tiles come standard in 12 different color blends, or can be used with custom colors or blends to meet your design aesthetic. Our firing process ensures your Ludowici roof will not fade or discolor—a statement we stand behind with our industry-leading 75-year material warranty.



Shown in LudoSlate

ANTIQUED BRUNSWICK BLACK



Shown in LudoSlate

ANTIQUED MONTPELIER GREEN



Shown in Lexington Slate Premier

ANTIQUED SLATE GRAY



Shown in Lexington Slate Premier

BRUNSWICK BLACK



Shown in Lexington Slate Premier

EBONY MIST



Shown in Lexington Slate Premier

MONTPELIER GREEN



Shown in LudoSlate

MOTTLED GREEN PURPLE



Shown in LudoSlate

PLUMSTONE



Shown in Lexington Slate Premier

SLATE GRAY



Shown in LudoSlate

SLATE RED



Shown in LudoSlate

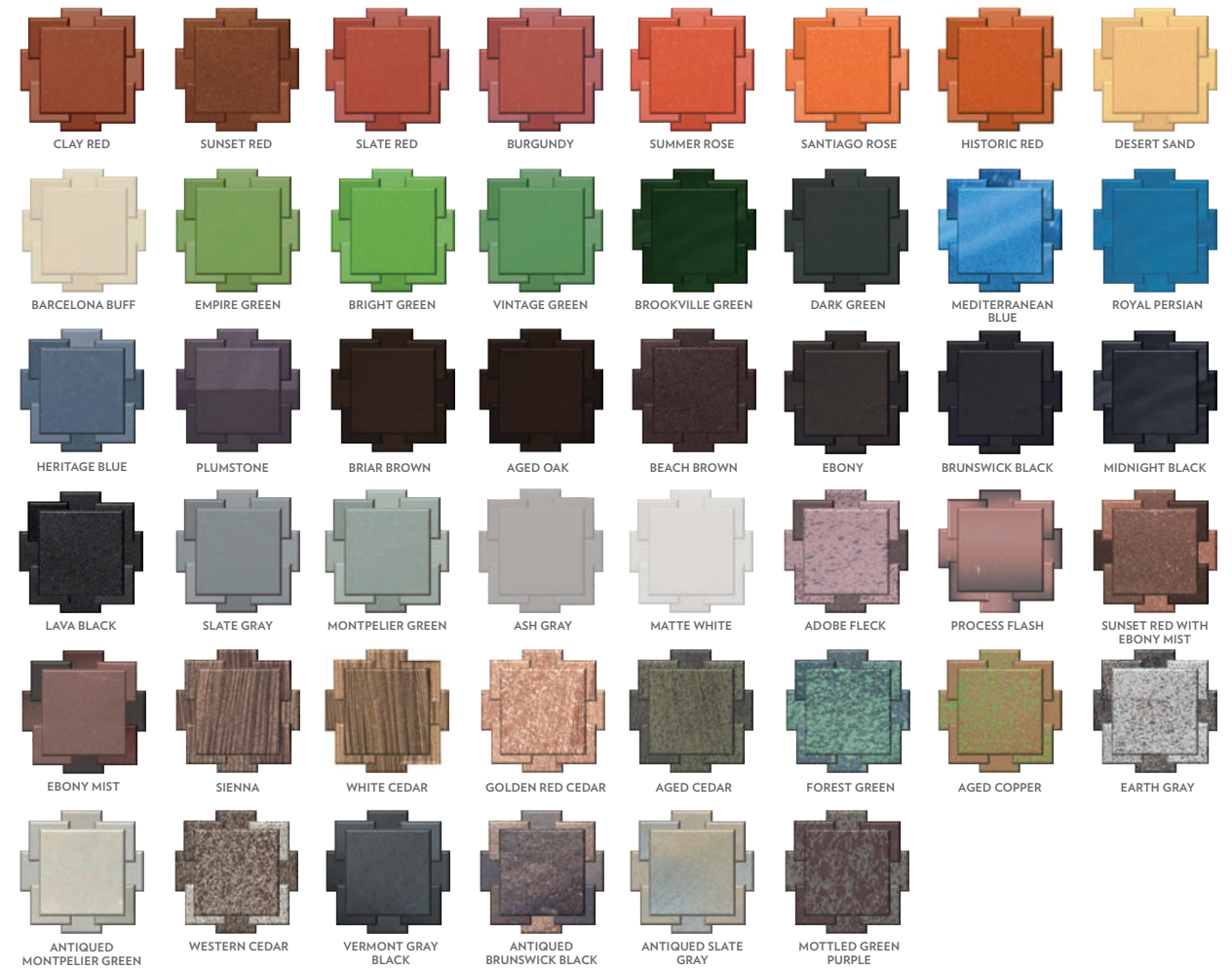
STRATA GRAY



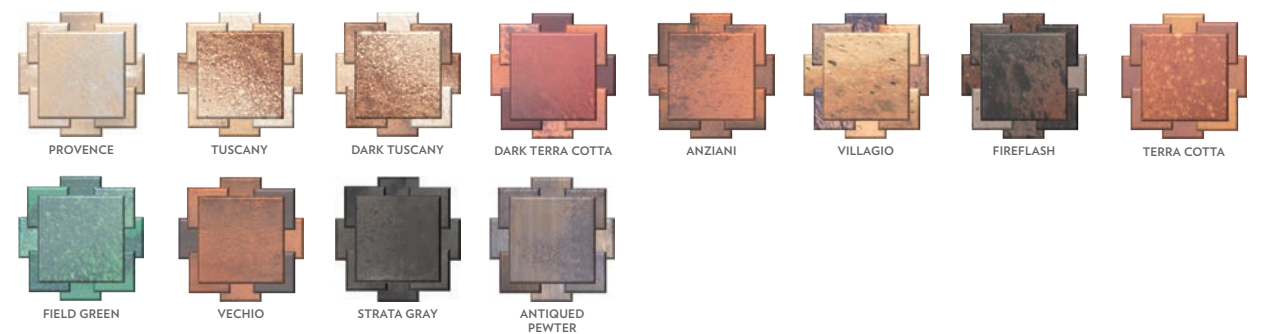
Shown in Lexington Slate Premier

VERMONT GRAY BLACK

STANDARD COLOR BLENDS



IMPRESSIONIST COLOR BLENDS





OUR GREEN PROMISE

At Ludowici, we are committed to manufacturing architectural terra cotta products that honor their heritage from the earth. There are many qualifications that we strive to meet each and every day to help us live up to this promise. Ludowici products are made of locally sourced, natural materials that are produced through a unique process that creates no waste. Ludowici tiles are chemically inert and 100% recyclable, have an average life expectancy of over 100 years and offer energy savings commonly exceeding 20% over asphalt roofing.

Ludowici products also earn some or all of the many certifications from the four main organizations setting the standards for sustainability: Cool Roof Rating Council, Cradle to Cradle, Energy Star and U.S. Green Building Council's LEED program.



Pictured: LudoSlate



PROJECT LOOKBOOK



PRINCETON UNIVERSITY

PRINCETON, NEW JERSEY

In 2005, our first small module terra cotta wall cladding project began when Princeton University set out to develop a 10-year plan to revitalize student housing on their campus. Completed in 2015, Princeton University's newest graduate student community, Lakeside Apartments and Townhomes, provides housing for over 715 graduate students and their families in a collection of townhomes and mid-rise apartments on 14 acres located on the main campus.

The decision to creatively use traditional roof tile by Ludowici as a wall cladding material resulted in the birth of our NeXclad small-format product line, first used in the LudoSlate surface texture for both roof and wall components on this project.

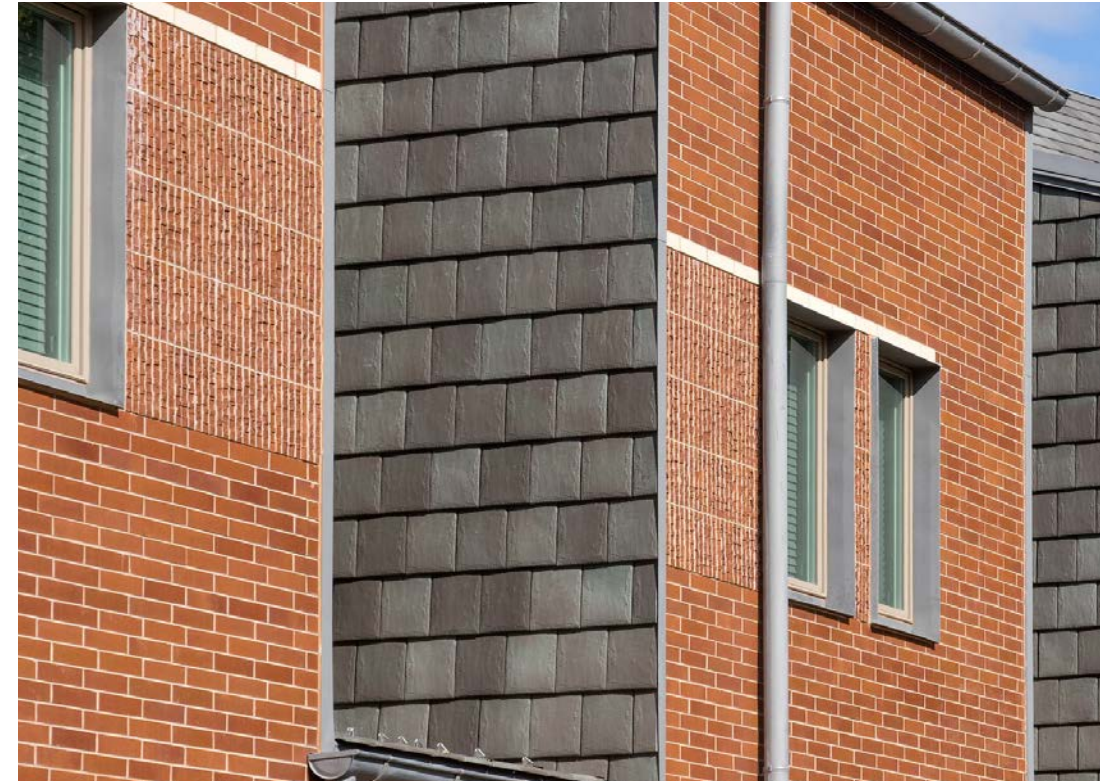
One of the Lakeside project's main goals was to improve the condition and sustainability of their buildings while limiting the impact on the surrounding woodlands—a goal in part achieved by choosing our terra cotta wall cladding.

The Lakeside community is highlighted by an extensive student common area featuring a multi-purpose event space, staff offices, community living room, full kitchen, outdoor deck and barbecue, computer facilities, exercise room, and wrapped 550 car parking structure. Winding through the complex are pathways and vistas carefully located to connect Princeton's campus to adjacent Lake Carnegie.

This large-scale project on such a prestigious campus faced a number of challenges throughout the design and construction phases. The design team conducted thorough testing of two existing 1960's era concrete structures on the site and found that building new structures, with better orientation and an improved thermal envelope, would reduce carbon greenhouse gas emissions by 42% over a 10-year period, all while adding an additional 300 beds.

Once the direction was set to replace the existing structures, the design team was tasked with creating a complex that would look and feel like a community, all while maintaining the richness and scale of the existing university buildings. As part of Princeton's sustainability efforts, the complex would also need to blend with the surrounding woodlands and meet LEED Silver Certification.

*Awards: LEED Silver Certification; USGBC
NJ Residential Project of the Year*

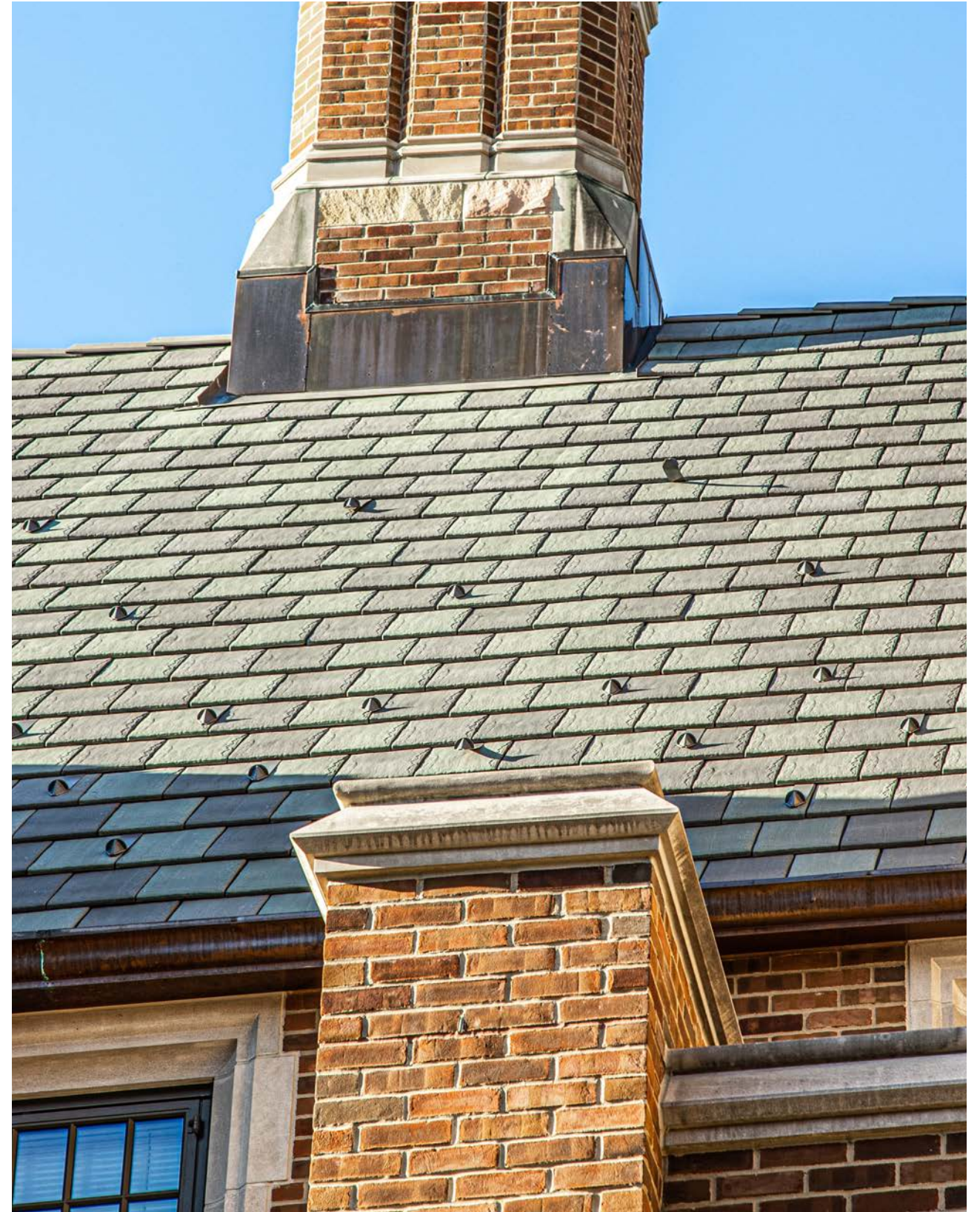


VANDERBILT UNIVERSITY

NASHVILLE, TENNESSEE



LUDOSLATE | *Montpelier Green and Slate Gray*



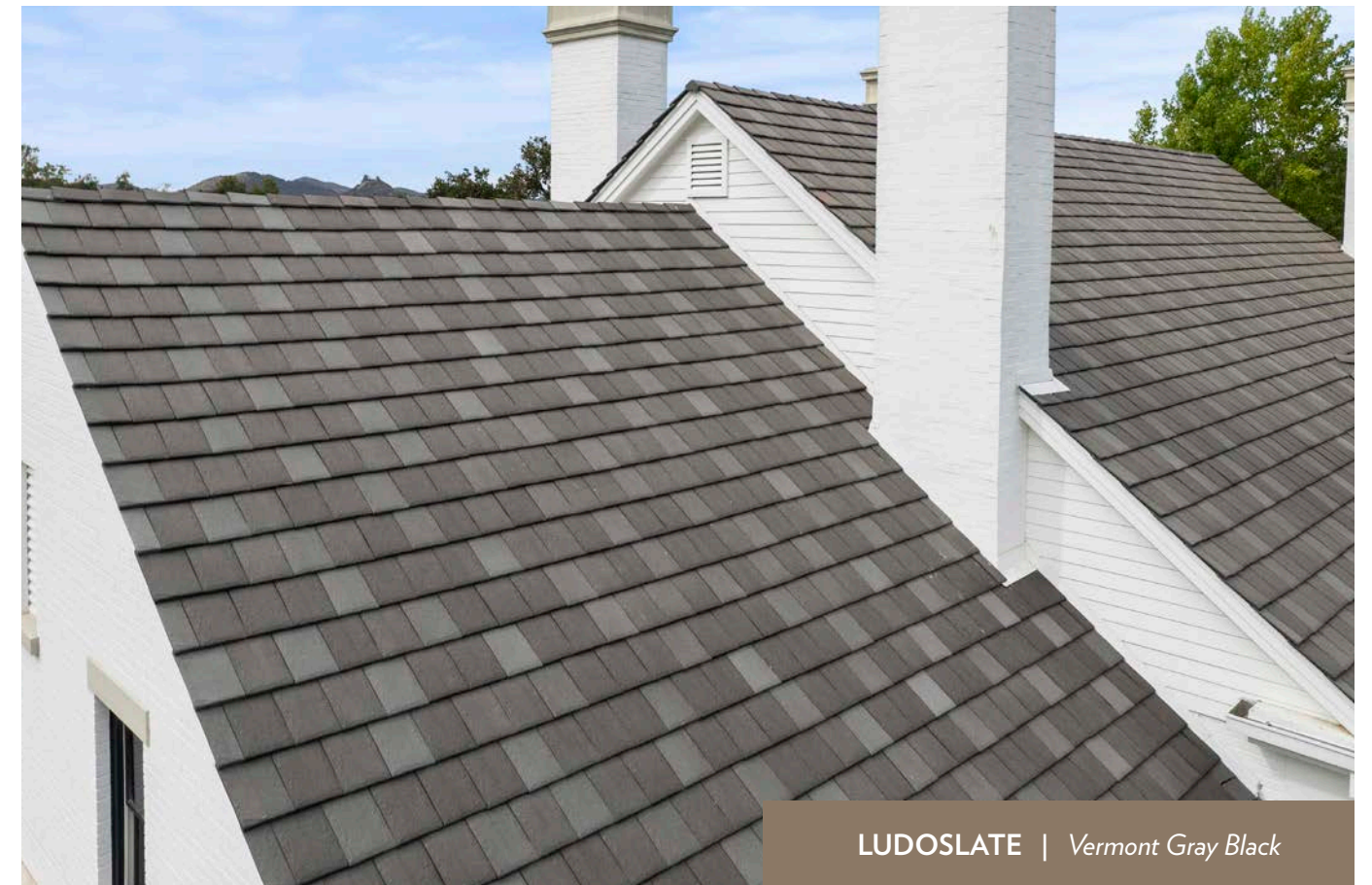


LUDOSLATE | 60% Brunswick Black;
40% Custom Color SL3/SL1Mist M>H



LUDOSLATE PREMIER | *Custom Color SL3/SL1 Mist M>H*

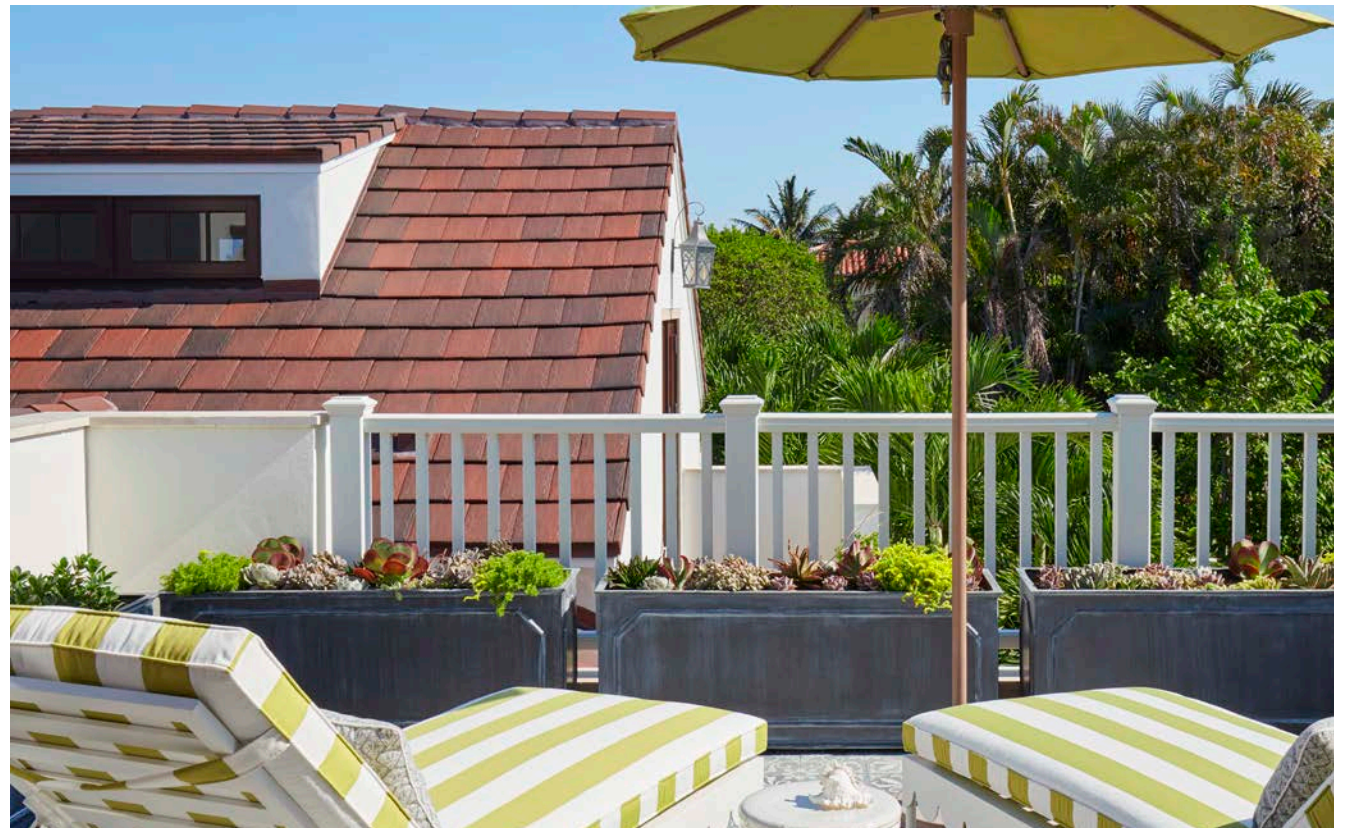


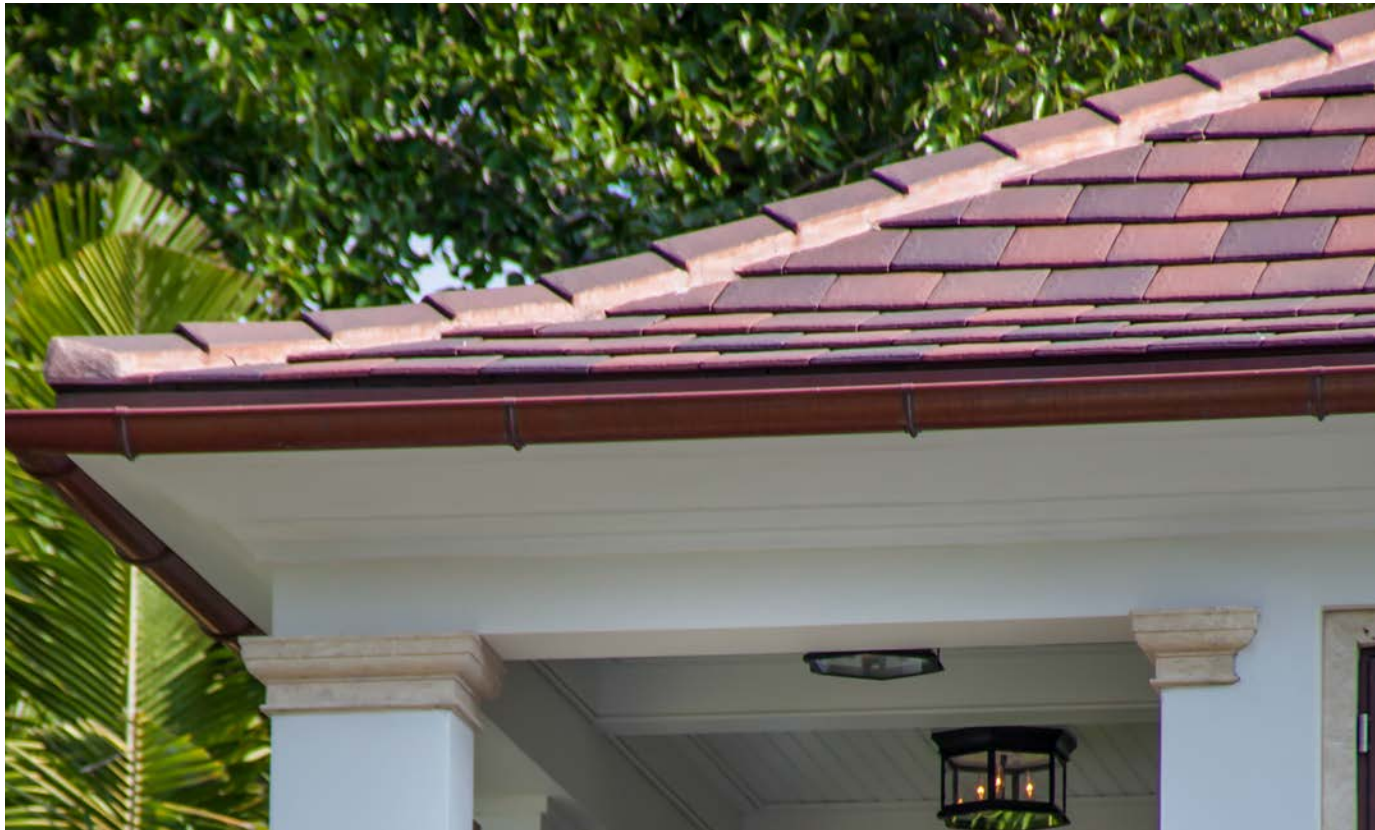


LUDOSLATE | Vermont Gray Black

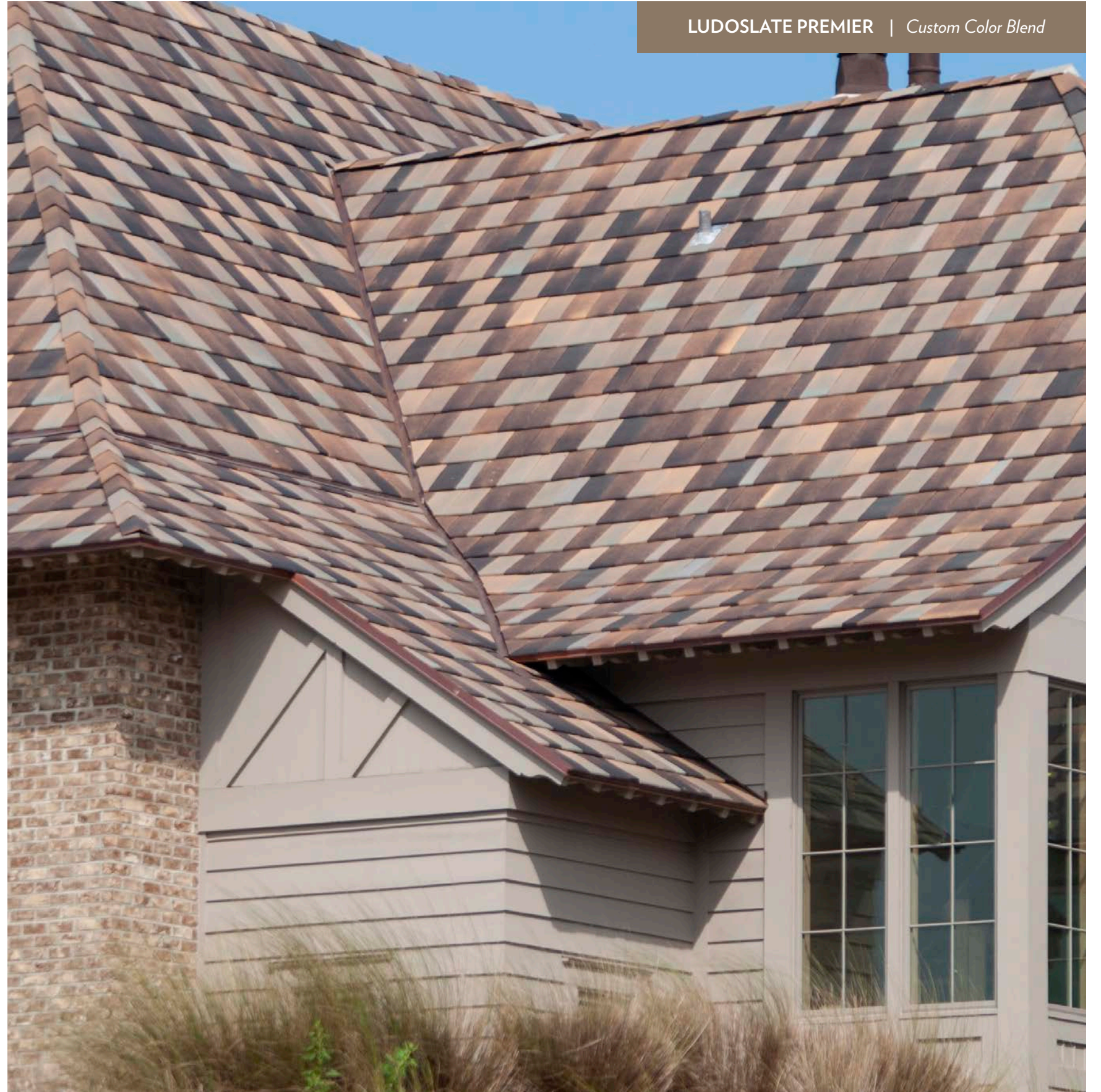


LUDOSLATE | *Brunswick Black*

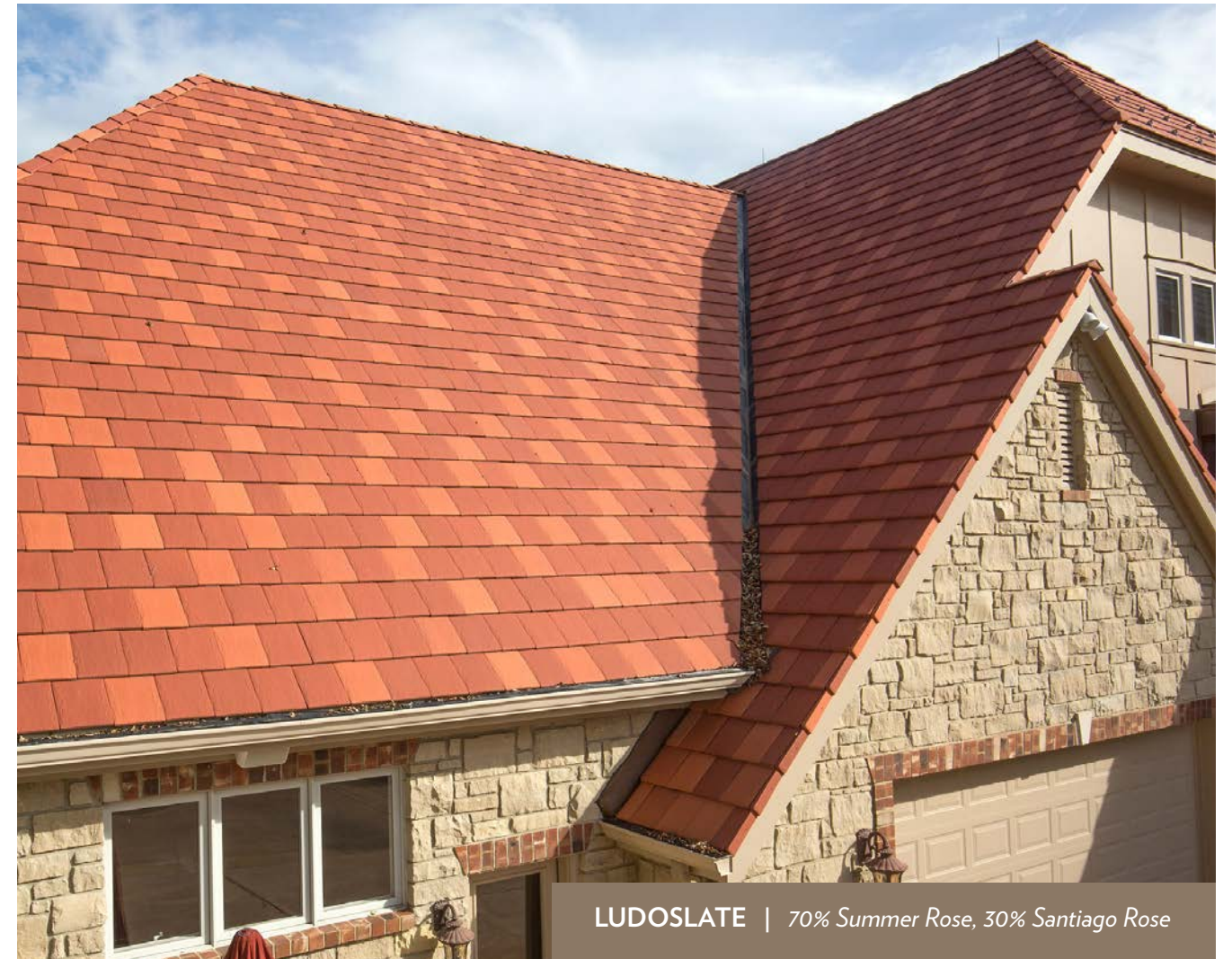




LUDOSLATE | *Slate Red with Black Mist*



LUDOSLATE PREMIER | Custom Color Blend



LUDOSLATE | 70% Summer Rose, 30% Santiago Rose







LUDOSLATE PREMIER | 70% Vermont Gray Black; 30% Strata Gray



LUDOSLATE PREMIER | Montpelier Green



COTSWOLD | Custom Color 22MT1



COTSWOLD | *Sunset Red with Ebony Mist M>H*





CUSTOM SHINGLE TILE | *Custom Color Blend*



CUSTOM SHINGLE TILE | *Custom Color Blend*

COTSWOLD SHINGLE TILE



Ludowici's Cotswold shingle tiles feature uneven lengths, chiseled edges and a split stone textured surface reminiscent of Cotswold stone from the English countryside. Cotswold shingle tiles add character and charm to any home design. Cotswold shingle tiles are part of Ludowici's Slate Collection and are available in standard and custom matte colors, mists and blends. See the *Colors of Ludowici* brochure for more information about our extensive color program.

PHYSICAL CHARACTERISTICS

CHARACTERISTIC	COTSWOLD SHINGLE TILE	PROFILE
Weight Per Square	1925 lbs.	
Pieces Per Square	333 pcs.	
Overall Size	7" x 14 3/8" x 5/8"	
Exposure	7" x 6 3/16"	
Recommended Minimum Slope**	5:12**	
Color Blends	Available in all standard and custom colors. For more information about Ludowici's color program, please see the <i>Colors of Ludowici</i> brochure.	
Base Texture	Stone Also available in custom textures. Please see the <i>Terra Cotta Textures</i> brochure for more information.	

**In considering slopes less than our recommended minimum, please see Ludowici's Roof Slope Whitepaper available from your local sales representative.

APPROVALS & CERTIFICATIONS

- ◆ Miami-Dade NOA No: 12-0904.14
- ◆ State of Florida Approval No: FL 13777
- ◆ ASTM C1167 Grade 1 Roof Tile With Water Absorption Less Than 2%
- ◆ Class A Fire Rated
- ◆ IAPMO UES ER-452

LUDOWICI WARRANTY

All Ludowici tiles are manufactured in the United States and carry a 75-year warranty against color fading and manufacturing defects. For complete warranty details, please visit www.ludowici.com.



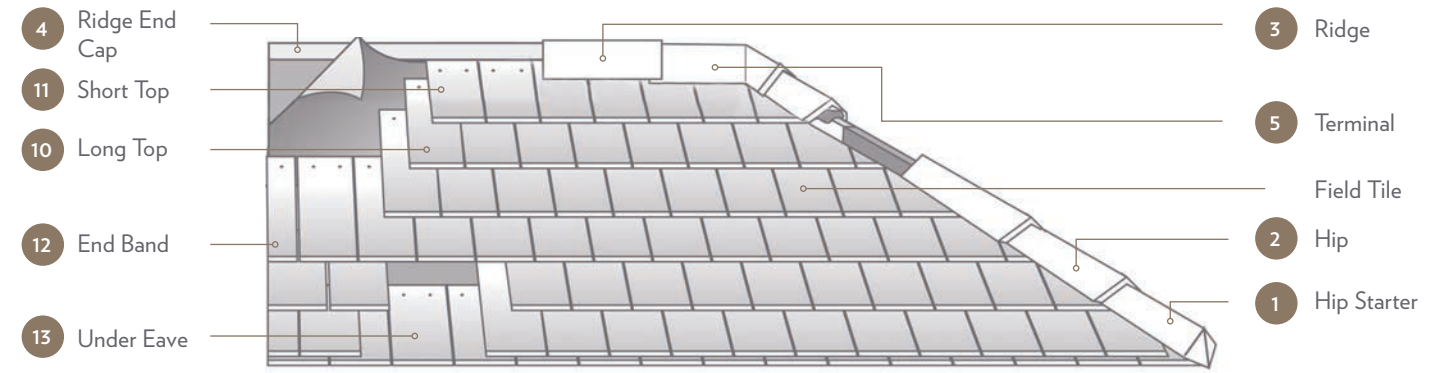
GREEN ATTRIBUTES

Ludowici terra cotta is an energy-efficient, sustainable choice for your new roof. Learn more about our green story in the Ludowici *Green Promise* brochure.



Photos are for representation purposes only and should not be used for final product selection. Tiles ordered should be chosen from actual samples available at the time of order. Ludowici reserves the right to alter and adjust products, colors and finishes at any time. Please contact a sales representative for more information.

COTSWOLD SHINGLE TILE



HIP & RIDGE		Visit www.ludowici.com to download a detailed product sheet on Hip, Ridge and Decorative Hip Starters.				
PROFILE	1 HIP STARTER	2 HIP	3 RIDGE	4 CLOSED RIDGE END	5 TERMINAL	
V-Hip & Ridge Trim Group	V-Hip Starter	V-Hip	V-Ridge	V-Closed Ridge End	V-2 Hip 1 Ridge Terminal	
#118/#211 Hip & Ridge Trim Group	#168 Hip Starter	#118 Hip Roll	#211 Ridge	#211 Closed Ridge End	#118/#211 2 Hip 1 Ridge Terminal	
Circular Cover Hip & Ridge Trim Group	CC-Hip Starter	CC-Hip	CC-Ridge	CC-Closed Ridge End	CC-2 Hip 1 Ridge Terminal	CC-Low Bump 2 Hip 1 Ridge Terminal
#102/#206 Hip & Ridge Trim Group	#152 Hip Starter	#102 Hip Roll	#206 Ridge	#206 Closed Ridge End	#102/#206 2 Hip 1 Ridge Terminal	#405 High Bump 2 Hip 1 Ridge Terminal #406 High Bump Gable Terminal
Old Style Trim Group	Bonnet Hip Starter*	Bonnet Hip Roll*	Interlocking Ridge*			
		Aries Hip Roll*				

*Roof slope on each intersecting roof plane needs to be identical to use these pieces.

FITTINGS					
PROFILE	10 LONG TOP	11 SHORT TOP	12 END BAND	13 UNDER EAVE	HEADER COURSE
Actual Size	7 3/8" x 10 1/2"	7 3/8" x 6 1/2"	3 1/2" x 14 5/8"	7 3/8" x 8 1/2"	7 3/8" x 14 5/8"
Exposure	7 3/8" x 6 5/16"	7 3/8" x 3 5/16"	3 1/2" x 6 5/16"	7 3/8"	7 3/8" x 11 5/8"
Weight	4.2 lbs./pc.	2.6 lbs./pc.	2.9 lbs./pc.	3.4 lbs./pc.	5.8 lbs./pc.

LUDOSLATE INTERLOCKING TILE



LudoSlate is a lightweight interlocking terra cotta roof tile featuring the texture and chiseled edges of natural slate and can be installed in straight rows or staggered for a more authentic look. Random width tiles are available in **LudoSlate Premier**. Available in 12 standard slate colors or a variety of custom colors or blends, LudoSlate will never fade or curl like other slate alternatives. LudoSlate tiles are Class A fire resistant, easy to install, and maintenance-free. LudoSlate is ASTM certified Grade 1.

PHYSICAL CHARACTERISTICS

CHARACTERISTIC	LUDOSLATE	LUDOSLATE PREMIER			PROFILE
Weight Per Square	598 lbs.	676 lbs.			
Pieces Per Square	109 pcs.	119 pcs. (Full Tile: 100, Two-thirds Tile: 9, Half Tile: 10)			
Overall Size	10 3/4" x 16"	5 3/4" x 16"	7 3/4" x 16"	10 3/4" x 16"	
Exposure	10 1/8" x 13"	5" x 13"	7" x 13"	10 1/8" x 13"	
Minimum Slope	3:12	3:12			
Standard Color Blends	Antiqued Brunswick Black, Antiqued Montpelier Green, Antiqued Slate Gray, Brunswick Black, Ebony Mist, Montpelier Green, Mottled Green Purple, Plumstone, Slate Gray, Slate Red, Strata Gray, Vermont Gray Black (Also available in all standard and custom colors. Please see the Colors of Ludowici for more information.)				
Base Texture	Quarried Slate (Also available in custom textures. Please see our Terra Cotta Textures for more information.)				

*Premier sizes do not come pre-blended on pallets. Each size is packaged individually and must be blended in the field by the installer.

APPROVALS & CERTIFICATIONS

- ◆ Miami-Dade NOA No: 13-0430.08
- ◆ State of Florida Approval No: FL 13777
- ◆ ASTM C1167 Grade 1 Roof Tile With Water Absorption Less Than 2%
- ◆ Class A Fire Rated
- ◆ IAPMO UES ER-452
- ◆ Texas Department of Insurance (TDI) Approved

LUDOWICI WARRANTY

All Ludowici tiles are manufactured in the United States and carry a 75-year warranty against color fading and manufacturing defects. For complete warranty details, please visit www.ludowici.com.

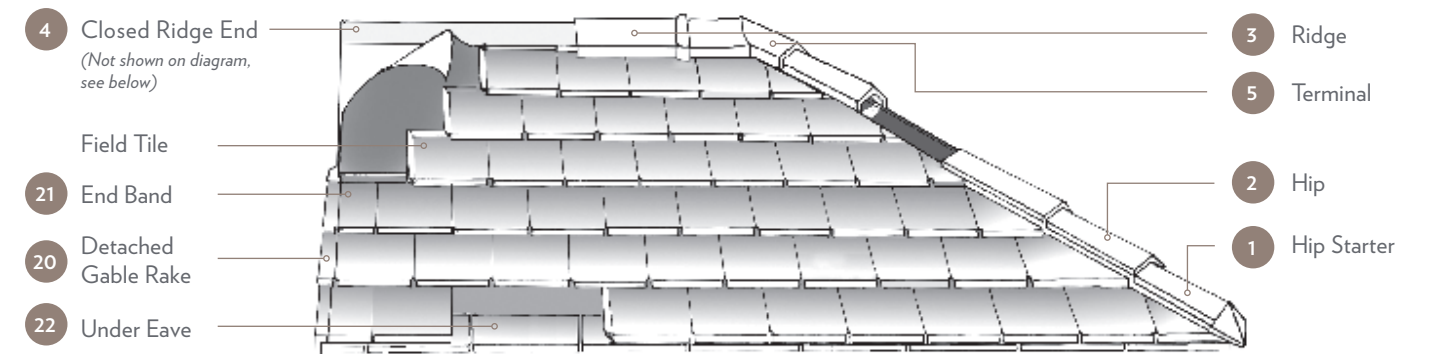


GREEN ATTRIBUTES

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LUDOSLATE



HIP & RIDGE	Visit www.ludowici.com to download a detailed product sheet on Hip, Ridge and Decorative Hip Starters.					
	1	2	3	4	5	
PROFILE	HIP STARTER	HIP	RIDGE	CLOSED RIDGE END	TERMINAL	
V-Hip & Ridge Trim Group	V-Hip Starter	V-Hip	V-Ridge	V-Closed Ridge End	V-2 Hip 1 Ridge Terminal	
#118/#211 Hip & Ridge Trim Group	#168 Hip Starter	#118 Hip Roll	#211 Ridge	#211 Closed Ridge End	#118/#211 2 Hip 1 Ridge Terminal	
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#102/#206 Hip & Ridge Trim Group	#152 Hip Starter	#102 Hip Roll	#206 Ridge	#206 Closed Ridge End	#102/#206 2 Hip 1 Ridge Terminal	#405 High Bump 2 Hip 1 Ridge Terminal #406 High Bump Gable Terminal

FITTINGS	20		21	22
PROFILE	DETACHED GABLE RAKE		END BAND	UNDER EAVE
	Left Rake	Rake		
Length	16"		16"	12"
Exposure	13"		13"	12"
Weight	2.8 lbs./pc.		5.5 lbs./pc.	2.3 lbs./pc.

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HOW LUDOWICI COMPARES

CRITERIA	LUDOWICI CLAY TILE	SLATE
General Attributes	75-year warranty including color; lower water absorption than other materials; highly decorative; Made in the USA	Traditional roofing material; generally long lifespan; longer lead times for true US slate; Imported slate of questionable quality
Profiles Available	Spanish, Mission, Flat Shingle, Interlocking, Shake Alternative, Slate Alternative, Raised Profile, Lightweight	Slate
Warranty	75-Year, includes color	Generally no material warranty
Average Lifespan	75+ years	Hard slate can last 75-200 years; Soft slate 50-125 years
Available Colors	50 standard, plus custom color development	Greens, reds, purples, grays, blacks
Color Fastness	Yes	Sometimes—there are some slates that weather, fade, mottle and oxidize over time.
Customizable	Yes	No
Moisture Absorbency	<1% water absorption (ASTM Grade 1)	Depends upon slate composition and slate source location
Mildew/Mold Resistant	Yes	No
Fire-Resistant	Yes	Yes, with underlayment
Walkability	Yes	No
Battens Required	No	No
Maintenance	Minimal, periodic cleaning if desired	Minimal, periodic cleaning
Sealing	No	No
American Made Product	Yes	Not Always



THE LUDOWICI DIFFERENCE

UNMATCHED DURABILITY

Ludowici products last a lifetime in any climate—even in the harshest environments - for enduring luxury and beauty that will never fade.

EXCEPTIONAL QUALITY

Ludowici’s unmatched materials and processes result in a product that’s second to none and delivers a lifetime of beauty.

AFFORDABLE LUXURY

Ludowici has multiple solutions to fit a broad range of lifestyles and budgets.

CUSTOM CRAFTSMANSHIP

Ludowici’s product line can be infinitely customized and handcrafted to the finest detail to match any color or fit any architectural style - from modern to old-world.

DOMESTIC PRODUCT

For over 130 years, Ludowici tiles have been made in New Lexington, Ohio, with raw materials sourced just five miles away.

COMPANY LONGEVITY

Our history speaks for itself - homeowners, architects and commercial clients have been trusting Ludowici since 1888.

PERSONAL SERVICE

Every customer receives personal attention and every order is handled with a personal touch.



This chart represents industry averages. We encourage you to research the products under consideration and evaluate all costs, installation, environmental and design factors when deciding on your new roof.




LUDOWICI®

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LRT-616-1022