



Cladify **LITE**

Sustainable Cladding, Simplified

Product Datasheet

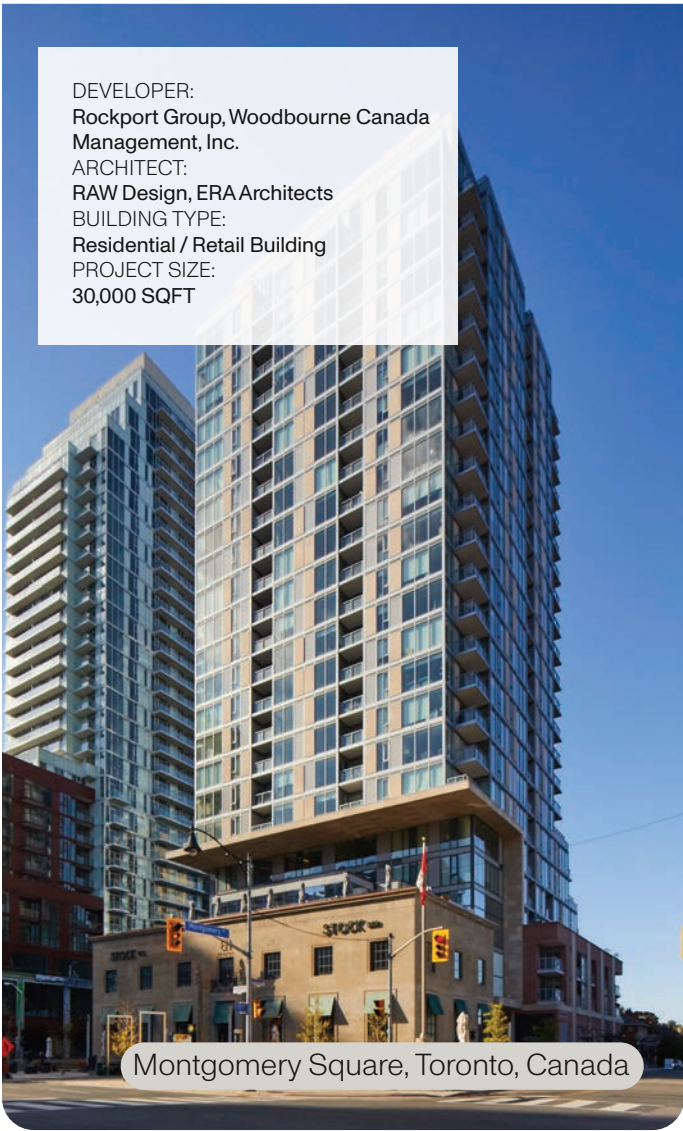


cladify.com

Sustainable Cladding, Simplified

Cladify LITE is a ventilated rainscreen solution designed to provide architects with a reliable, efficient, and code-compliant facade system for modern building envelopes. With a curated selection of 5 stone and 5 porcelain in different finishes, Cladify LITE supports clean, cohesive architectural designs while offering standardized panel sizes optimized for efficient specification and installation.

Each panel is backed by an engineered extruded aluminum profile that ensures structural integrity, durability, and long-term performance. Fully third-party tested and compliant with fire and safety standards, Cladify LITE delivers a dependable facade solution that simplifies construction while maintaining the architectural quality and performance expected in contemporary projects.



DEVELOPER:
Rockport Group, Woodbourne Canada
Management, Inc.
ARCHITECT:
RAW Design, ERA Architects
BUILDING TYPE:
Residential / Retail Building
PROJECT SIZE:
30,000 SQFT

Montgomery Square, Toronto, Canada



Ventilated Rainscreen

Designed as a ventilated rainscreen, it improves moisture management and promotes airflow behind the facade. This helps protect the building envelope, and enhances durability.



Standardized Sizes

Available in two sizes: 73 × 36 in (1854 × 922mm) 73 × 18 in (1854 × 456 mm). This standardization improves installation efficiency while maintaining precise alignment and visual consistency.



Certifications

Independently tested to meet applicable building code and safety standards. Third-party validation provides confidence in structural performance, fire safety, and overall system reliability.



Fire Safety

Manufactured using non-combustible materials and tested backing components, it meets strict fire performance requirements.



Sustainability

Contributes to sustainable construction through durable materials and ventilated facade performance. Its long life-span supports reduced lifecycle impacts and improved building resilience.



Architectural Finishes

Available in a selection of 5 stone and 5 porcelain options in different finishes, it supports cohesive, high-quality facade designs.



Structural Backing

Each panel is supported by an extruded aluminum profile backing engineered to provide structural stability and long-term durability.



Performance

Engineered to withstand environmental exposure, it performs reliably under UV radiation, moisture, temperature fluctuations, and wind loads.



Easy Installation

Its engineered components reduce on-site complexity while supporting predictable construction timelines and outcomes.

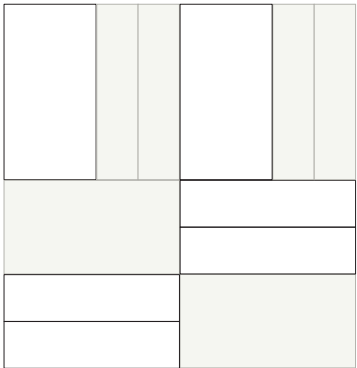


ARCHITECT:
CS&P Architects
DEVELOPER:
Prodigy Group
BUILDING TYPE:
Educational Building

Cladify LITE Features

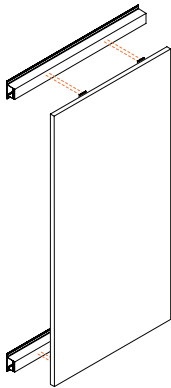
Modular & Reconfigurable

Cladify LITE’s modular system is available in two standard sizes and allows panels to be rotated 90°, enabling unique facade layouts and patterns — without compromising installation simplicity.



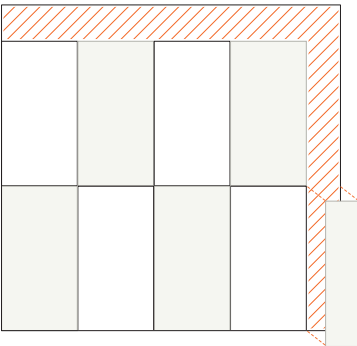
Easy Installation

Cladify LITE is designed for fast, straightforward installation. Its lightweight panels and simple mounting system reduce on-site handling time and labor, making it an efficient choice for both new builds and retrofit projects.

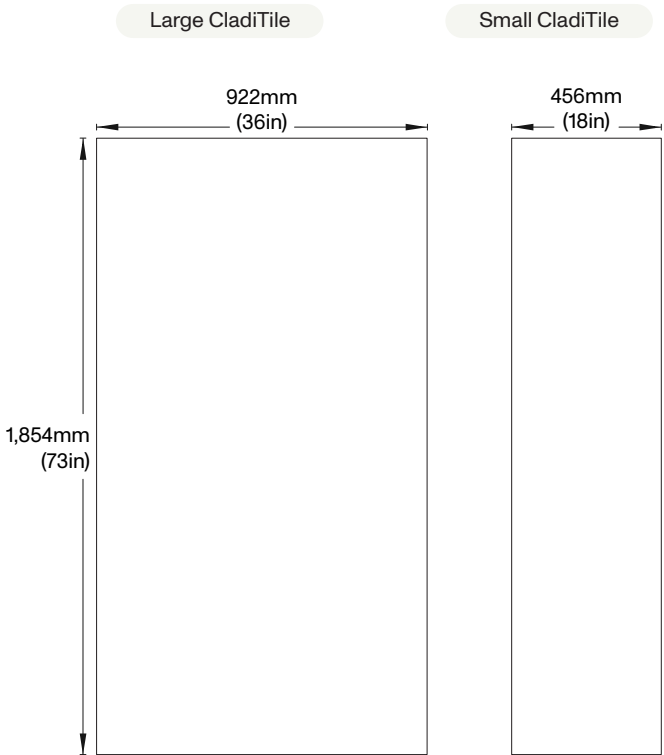


Adaptable

LITE panels can be cut on-site to fit any wall dimension, allowing you to complete every wall, corner and edge without fasteners or installation hardware in sight.



Panel Sizes



Large CladiTile Specs

	Imperial	Metric
Facing Thickness	0.24in	6mm
Panel Dimensions (H x L x D)	72.9 x 36.2 x 1.3in	1854 x 922 x 34mm
Limestone Panel Weight	54.46 lbs	24.76 kg
Granite Panel Weight	65.75 lbs	29.88 kg
Marble Panel Weight	65.75 lbs	29.88 kg
Porcelain Panel Weight	59.88 lbs	27.22 kg

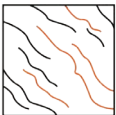
Small CladiTile Specs

	Imperial	Metric
Facing Thickness	0.24in	6mm
Panel Dimensions (H x L x D)	72.9 x 18.0 x 1.3in	1854 x 456 x 34mm
Limestone Panel Weight	28.92 lbs	13.15 kg
Granite Panel Weight	34.50 lbs	15.68 kg
Marble Panel Weight	34.50 lbs	15.68 kg
Porcelain Panel Weight	31.60 lbs	14.36 kg

Available Facings

Cladify LITE is available in 10 distinctive finishes, including 5 porcelain and 5 stone faces, carefully selected from the most popular options on the market. Whether you prefer the refined look of porcelain or the natural texture of stone, Cladify LITE offers a versatile range of aesthetics to complement any architectural style.

Stone Facings



Moca Cream
Limestone - Honed



Escarpment Grey
Limestone - Honed



Prague
Limestone - Brushed

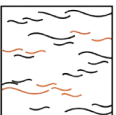


Moon Grey
Granite - Honed



Fuding Black
Granite - Flamed

Porcelain Facings



Paris White
Honed



Carrara
Honed



Tosca
Honed



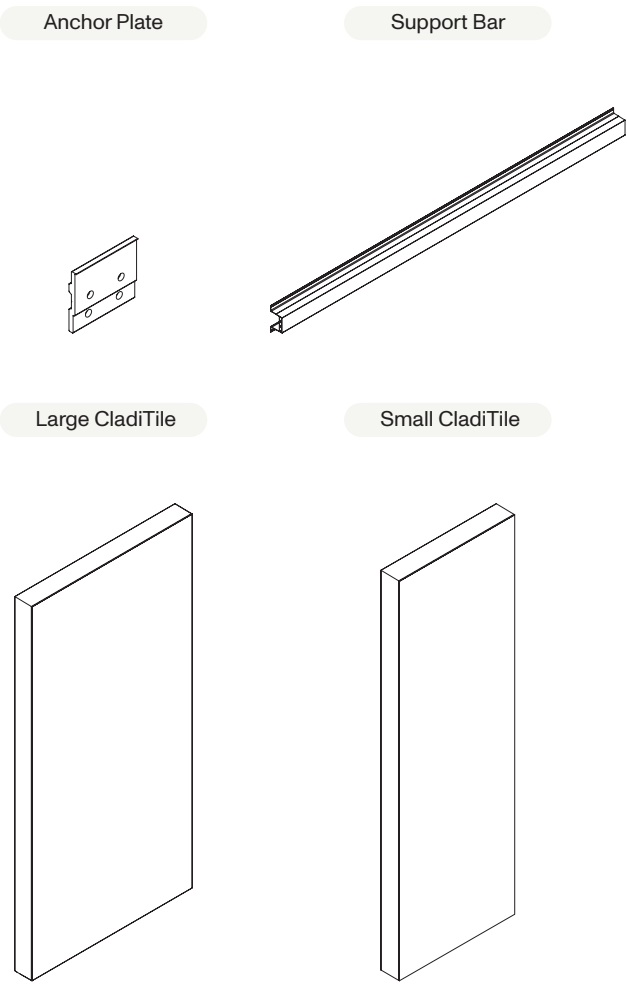
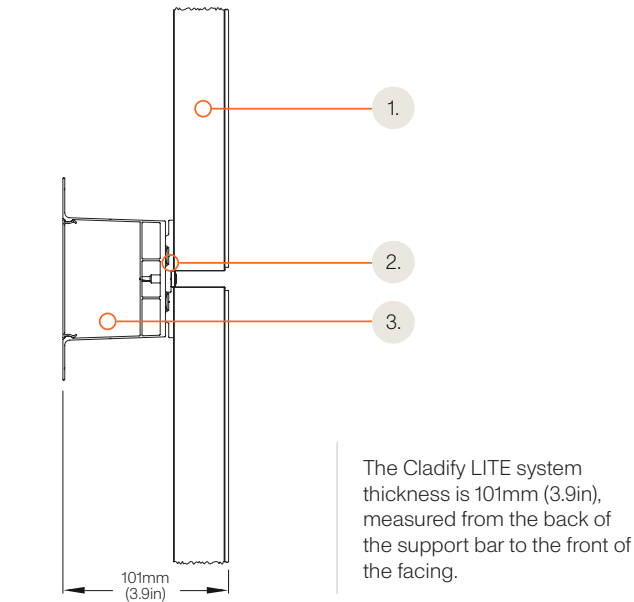
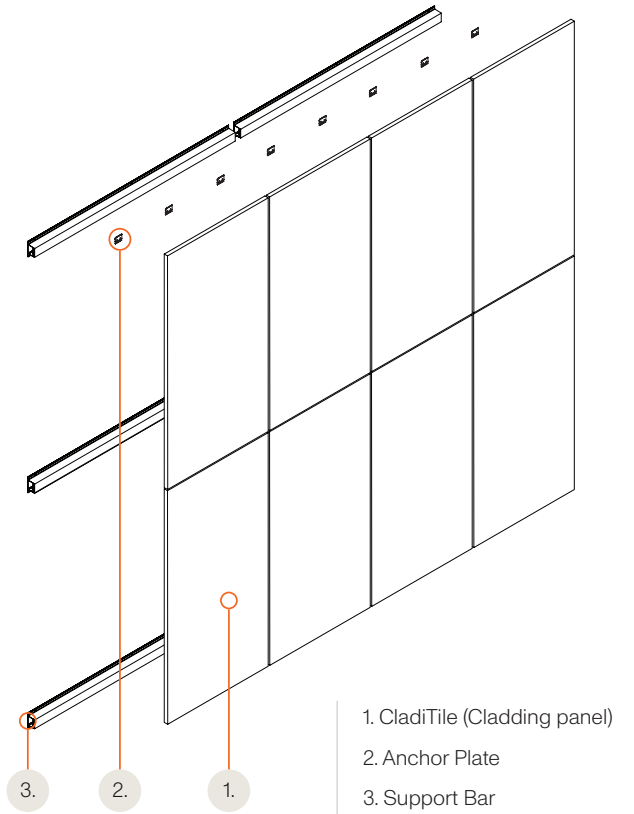
Casper
Textured



Paris Black
Honed

Cladify LITE System Components

Cladify LITE package includes all necessary materials and installation components to facilitate the installation of the product onto the pre-wall. The number and type of CladiTiles may vary depending on the selected layout.

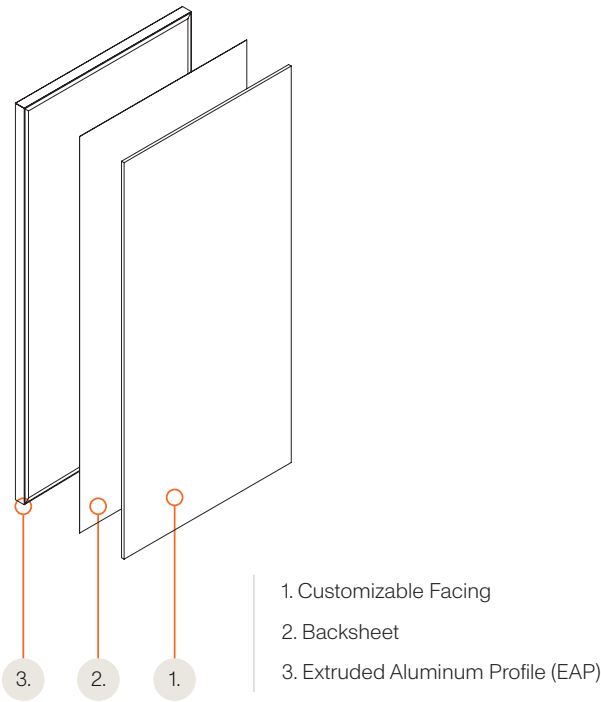


Lifetime Warranty

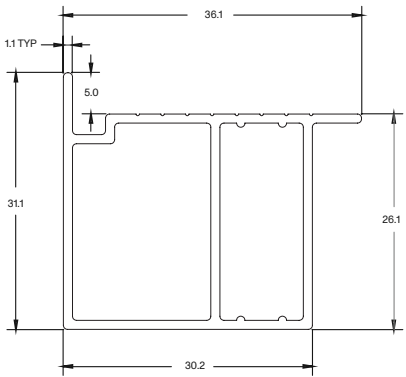
- Cladify facade products physically last the lifetime of the building and beyond as a building envelope product.
- Our lifetime warranty ensures reliable, durable facades as the panels require minimal maintenance and there is zero panel replacement needed for the building lifetime.

The Cladify LITE system thickness is 101mm (3.9in), measured from the back of the support bar to the front of the facing.

CladiTile Panel Components

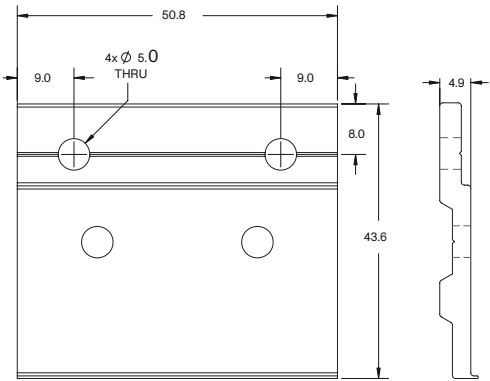


Extruded Aluminum Profile (EAP) Specs



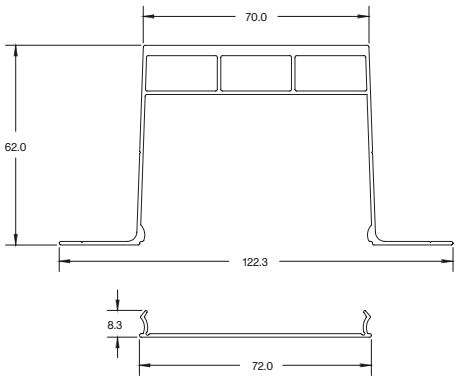
	Imperial	Metric
Dimensions (H x L)	1.22 × 1.42in	31.1 × 36.1mm
Weight	0.29lb/ft	0.43kg/m
Elastic Modulus	1.001e+7 psi	69 GPa
Tensile Strength	31,000 psi	214 MPa
Shear Strength	22,000 psi	152 MPa
Material	Aluminum Alloy	

Anchor Plate Specs



	Imperial	Metric
Dimensions (H x L x D)	1.71 × 2.0 × 0.19in	43.6 × 50.8 × 4.9mm
Weight	0.04lb	20.3g
Elastic Modulus	10,000 psi	69 GPa
Tensile Yield Strength	40,000 psi	275 MPa
Shear Yield Strength	24,000 psi	165 MPa
Material	Aluminum Alloy	

Support Bar Specs



	Imperial	Metric
Dimensions (H x L x D)	2.44 × 4.8 × 72.2in	62 × 122.3 × 1,834mm
Weight	1.24lb/ft	1.84kg/m
Elastic Modulus	1.001e+7 psi	69 GPa
Tensile Yield Strength	31,000 psi	214 MPa
Shear Yield Strength	22,000 psi	152 MPa
Material	Aluminum Alloy	

Product Testing And Certifications

Category	Test Name	Test Specification	Result
Acoustic	Sound Transmission Loss	ASTM E90	Sound Transmission Rating: CladiShield Rainscreen: 34; Claditized Unitized: 35; CladiFab Prefab: 55
	Salt Spray Resistance	ASTM B117-16	No deleterious effects.
Environmental	Air Leakage Resistance	ASTM E283-04 (2012)	LITE, CladiShield & Claditized: Qinf = 0.031 cfm/ft² or 0.155 L/s-m² at 300 Pa; Qexf = 0.024 cfm/ft² or 0.122 L/s-m² at 300 Pa
	Water Penetration Resistance	ASTM E331	No water infiltration at 15 psf or 720 Pa
	Specific Gravity and Water Absorption	ASTM C97 / C97M - 15	Limestone tested. 0.992 at 23°C and 0.4% respectively.
	Standard Methods of Fire Endurance Tests of Building Construction Materials	ASTM E119 / CAN/ULC S101	LITE, CladiShield & Claditized: 1 hour fire exposure; Passed.
Fire Safety	Exterior Wall Assembly Fire Test	CAN/ULC S134	Passed
	Tunnel Test	ASTM E84	FSI = 10; SDI = 200; Class A
	Multi-Story Fire Test	NFPA 285	Passed
	Surface Burning Characteristics	CAN/ULC S102	FSR = 0; Class A
	Non-Combustibility (CAN/ULC S114)	CAN/ULC S114	Passed
	Combustibility Parameters (Cone Calorimeter)	CAN/ULC S135	Passed NBCC 2015 requirements
	Cyclic Pressure Loading	ASTM E1886 / TAS 203	Passed. Over 3,500 positive and negative pressure cycles were applied at ± 2880 Pa (60 psf), equivalent wind load of 165 mph.
Impact / Safety			
Structural	Structural Performance by Uniform Static Air Pressure Difference	ASTM E330	LITE, CladiShield & Claditized: Design Load at +/-80 psf or +/- 3840 Pa; No Failure
	Compressive Strength	ASTM C170 / C170M - 17	Limestone tested. 1.57 MPa (228psi).
Thermal	Linear Thermal Expansion	ISO 10545-8	11.28 × 10 ⁻⁶ /°C

Facings Standard Specs

Porcelain Facing

	Certification	Imperial	Metric
Density	ASTM C20	149.83lb/ft³	2,400kg/m³
Absorption By Wt.	ASTM C373	0.2%	-
Compressive Strength	ASTM C192	24,946psi	172MPa
Flexural Strength (Dry)	ASTM C348	3,480psi	24MPa
Modulus Rupture	ASTM C1505	4,641.2psi	32MPa
Abrasion Resistance	ASTM C1027	Class 4	-

Limestone Facing (ASTM C615)

	Certification	Imperial	Metric
Density	ASTM C97	135lb/ft³	2,160kg/m³
Absorption By Wt.	ASTM C97	0.75%	-
Compressive Strength	ASTM C170	4,061psi	28MPa
Flexural Strength (Dry)	ASTM C880	3,045psi	21MPa
Modulus Rupture	ASTM C99	580psi	4MPa
Abrasion Resistance	ASTM C1353	10Ha	-

Granite Facing (ASTM C615)

	Cerification	Imperial	Metric
Density	ASTM C97	165.02lb/ft³	2,660kg/m³
Absorption By Wt.	ASTM C97	0.29%	-
Compressive Strength	ASTM C170	5,366psi	37MPa
Flexural Strength (Dry)	ASTM C880	4,351psi	30MPa
Modulus Rupture	ASTM C99	1,595psi	11MPa
Abrasion Resistance	ASTM C1353	100Ha	-

Cladify LITE System Add-On

To ensure a clean and complete installation, non-active filler panels are available upon request. These panels are designed to integrate seamlessly with the Cladify LITE panels and can be cut to size on site, allowing installers to finish wall edges and corners with precision.

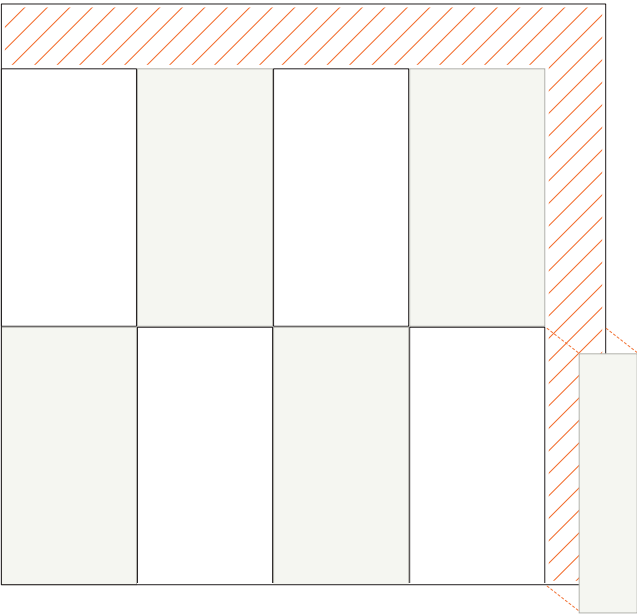
This flexibility ensures a consistent and professional appearance across the entire facade, regardless of the specific dimensions or geometry of the installation area.

Note: This material is delivered upon request - Ask Us!

Features

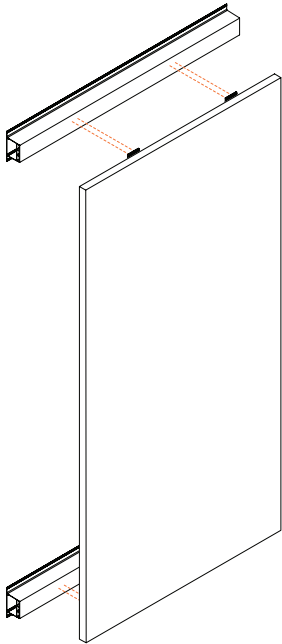
Cutable Panels

Cladify LITE add-on panels can be cut on site, making it easy to fill corners, edges, and irregular wall dimensions for a clean, seamless finish of the full system.



Same Installation Method

Even when cut on site, Cladify LITE add-on panels follow the same installation method as standard panels, keeping the process simple, consistent, and familiar for installers.





Cladify Products Comparison

Cladify offers three distinct cladding solutions,Cladify LITE system, Cladify PRO+ system, and CladiFab System, each engineered to meet varying project needs in terms of design flexibility, performance, and scale.

The table below provides a detailed comparison across key features such as colors and finishes, sizing options, system compatibility, and testing standards. Whether you're prioritizing affordability, customization, or advanced performance, this side-by-side overview will help you identify the best fit for your project.

	• Cladify LITE	• Cladify PRO+	• CladiFab
Materials	5 stone options 5 porcelain options	Stone, porcelain, aluminum or solar panel options	Stone, porcelain, aluminum or solar panel options
	Facing Finish: Limited Options Thickness: 0.24in (6mm)	Facing finish: <u>Stone and Porcelain</u> : Polished, Flamed, Brushed, Granular, Honed, Grooved and more. Thickness: 0.24in (6mm) <u>Aluminum</u> : Glossy and Matte Thickness: 0.0015in (0.4mm) <u>Solar by Mitrex</u> : Take a look at Mitrex eFacade PRO+ brochure for more information.	Facing finish: <u>Stone and Porcelain</u> : Polished, Flamed, Brushed, Granular, Honed, Grooved and more. Thickness: 0.24in (6mm) <u>Aluminum</u> : Glossy and Matte Thickness: 0.0015in (0.4mm) <u>Solar by Mitrex</u> : Take a look at Mitrex eFacade PRO+ brochure for more information.
	2 size options: 73 × 36 in (1854 × 922 mm) 73 × 18 in (1854 × 456 mm)	Custom sizes up to: <u>Stone and Porcelain</u> : 144 × 60in (3,658 × 1,524mm). *Stone dependent on material. <u>Aluminum</u> : 300 × 72in (7,620 × 1,829mm) <u>Solar by Mitrex</u> : Take a look at Mitrex eFacade PRO+ brochure for more information.	Custom sizes up to: <u>Stone and Porcelain</u> : 144 × 60in (3,658 × 1,524mm) *Stone dependent on material. <u>Aluminum</u> : 300 × 72in (7,620 × 1,829mm) <u>Solar by Mitrex</u> : Take a look at Mitrex eFacade PRO+ brochure for more information.
Sizes	Backing options: Extruded aluminum profile with panel thickness of 1.3in (34mm)	Backing options: <u>Extruded aluminum profile with panel thickness</u> : 1.3in (34mm). <u>Aluminum honeycomb with panel thickness</u> : • 1 in (25mm) honeycomb: 1.07in (27.4mm) - 1.23 in (33mm). • 2 in (50mm) honeycomb: 2.06in (52.4mm) - 2.28 in (58mm).	Backing options: <u>Extruded aluminum profile with panel thickness</u> : 1.3in (34mm). <u>Aluminum honeycomb with panel thickness</u> : • 1 in (25mm) honeycomb: 1.07in (27.4mm) - 1.23in (33mm). • 2 in (50mm) honeycomb: 2.06in (52.4mm) - 2.28in (58mm). Other components: <u>FRP angle bar</u> : 1 × 2in (25 × 50mm) support <u>Insulation</u> : Optional <u>Metal backing</u> : 28 GA metal sheet with 1-5/8in (25.4 mm) return flap adhered to insulation & attached to FRP angle bar panel closure.
	Ventilated rainscreen system	Ventilated rainscreen system	Customizable rainscreen, unitized or prefabricated system options
	System Thickness From Insulation: 3.9in (101mm)	System Thickness From Insulation: 1.5in (36mm) - 3.28in (83mm)	System Thickness From Slab: 4in to 12in (101.6mm to 304.8mm)
Testing	MOQ of 5,000 SQFT (464.5 sqm)	MOQ of 25,000 SQFT (2,322.5 sqm)	MOQ of 25,000 SQFT (2,322.5 sqm)
	3rd party tested	3rd party tested	3rd party tested
	Code-compliant & safety tested	Code-compliant & safety tested	Code-compliant & safety tested

For more information about Cladify products, visit cladify.com or email us at info@cladify.com



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- **Learn More**

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Mitrex and Cladify Projects

