AL13 architectural systems

product catalog

panel system +
v-line system

clad the world™

product catalog

panel system +
v-line system

We specialize in forward thinking, cut on site, aluminum cladding products that save the consumer time & money.

AL13 architectural systems

progress + innovation

It's been another big year for AL13.

Looking back on all of the projects we have been a part of since our inception has been a great source of pride for us this year. It has been amazing to see both the size and quality of AL13 installations consistently on the rise. Throughout it all, we continue to aim to help our customers find easy solutions for the sometimes very complex problems of the ever evolving building industry.

Through the success of our original panel system product, we are very proud to be able to go to market with our next cladding system. Our v-line system brings a powerful new cladding tool to architects, installers and general contractors. We can't wait see to see what you guys do with it.

This booklet showcases technical details and project photography of both systems. The future looks bright and we thank you for taking the time to look through what we feel are two new exciting products in the exterior cladding market space.

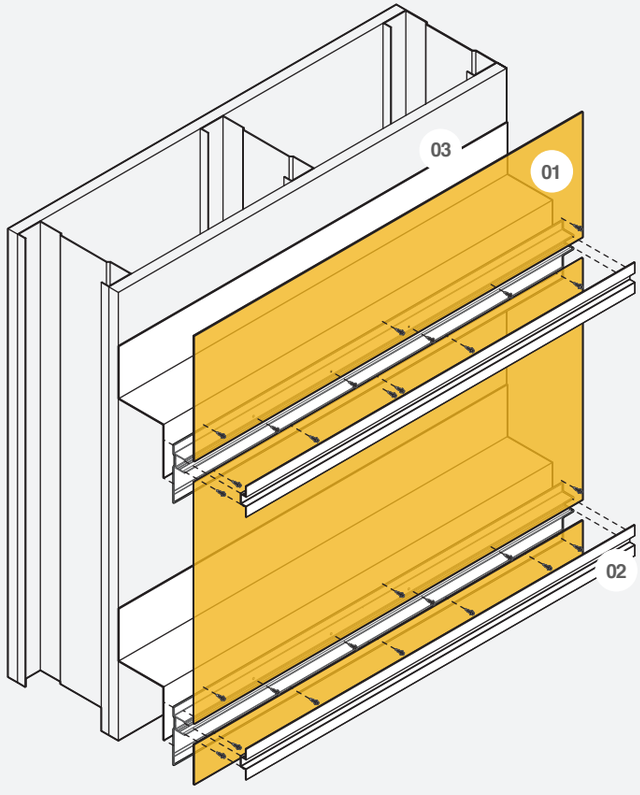
Keith Berry

chief operating officer

01. top side cladding **Showcased in v-line douglas fir**

Our panel system requires no off-site manufacturing. All panels are cut to fit and snap together on site, saving you time and money.

panel system



The AL13 panel system is comprised of:

01 Panel

All panels are manufactured using two .020 sheets of aluminum with a PE or Fire Rated core. Panels are supplied with a removable film to protect the finish during transport and installation.

SIZE: 48" x 96" {1220mm x 2440mm}

02 Extrusions

The AL13 system utilizes five different aluminum extruded profiles that are used to create architectural lines while fastening the panels to the substrate.

SIZE: 96" {2440mm} **lengths**

03 Back-End

Panel spacers position the panels away from the wall, stiffening the panels while creating a pressure equalized rain-screen behind.

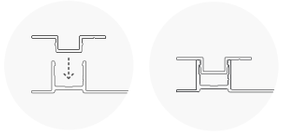
SIZE: 96" {2440mm} **lengths**

design+ function

The AL13 system differs from other ACM systems in being a tab-over design. The panels are secured by the snap-lock fasteners. Panels are not welded or formed during construction. This allows for each panel to expand and contract across a broad temperature spectrum without causing buckling or oil-canning.

01

02 snap+lock system



AL13 panels are secured to the wall by snap + lock extrusion sets.

Because AL13 has the ability to be changed on the fly, it is a key factor in keeping the building process on time and on budget.

01. left side unit Showcased with midnight black panel.
02. right site unit Showcased with midnight black and white panel.

03
the wood is good

In addition to coming in over 40 standard solid and metallic finishes, AL13's panel system also comes in 10 stunning wood grain finishes like dark walnut and brazilian teak.

The PPG finish is applied to the aluminum with a continuous process and baked at a temperature of 600C. The quality of coating is tested in accordance to AAMA 2605 so you know it's a product that can with stand all that mother nature can throw at it for decades to come.

Bring the warmth of wood with all the benefits of metal to your next project.

01. **Main building** showcasing AL13 panel system in black walnut wood grain
02. **Side building** showcasing AL13 panel system in pearl

04
your brand **our passion**

The products used to represent a brand are significant to the public image and feel of a company. Durable, cost-effective and environmentally sound solutions are specifically chosen by architects, investors and developers when designing properties for corporations. With its durability, weather resistance and sharp design lines, AL13's panel system is a solution that more than meets the mark.

05
tested + approved

rain screen

AAMA 508

AL13's panel system has a tab-over design that consists of five different aluminum extruded profiles. The panel spacers and extrusions work together to create a pressure equalized rain-screen system, allowing any moisture to exit.

fire rated

CAN ULC S102
NFPA 285 / E84

AL13's panel system has been tested and approved for fire safety requirements across North America.

06

we play well with others.

The clean lines created by AL13's panel system allow the product to merge seamlessly with a variety of other materials and glazing options.

01. **Top panels** showcasing AL13 panel system in silver metallic
02. **Side building** showcasing AL13 panel system in white

07

nationally distributed products

Whether you're renovating a residential home, lining up product for a multi family build or looking to clad a full sized commercial project, we have the product you need when you need it.

AL13 has national distribution, which creates a larger and more competitive installation base while reducing material lead times.

01. Top panels showcasing AL13 panel system in silver metallic
02. Profiles showcasing AL13 panel system in burnt orange.

Technical Info

standard warranty

1

PPG Finish	US **20 years**
	CAN **25 years**

technical properties

2

Panel Weight	**4.6 kg/m²**
Thermal Expansion	**3.0E -5/ °C**

testing + standards

3

NFPA 285	ULC S102	ASTM 976
ASTM E330	ASTM D732	ASTM E331
ASTM C393	ASTM D792	ASTM D903
ASTM D648	AAMA 2605	ASTM D696
ASTM E84	ASTM E413	

patented approved

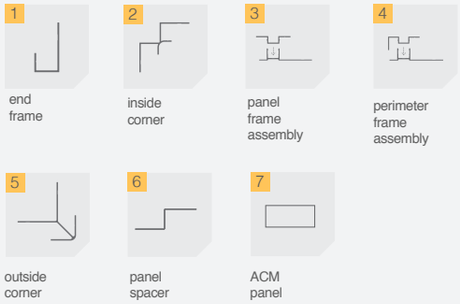
4

Canadian Intellectual Property Office

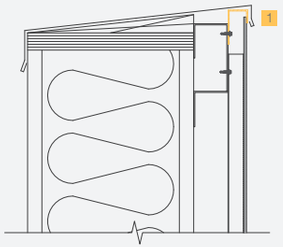
United States Patent and Trademark Office

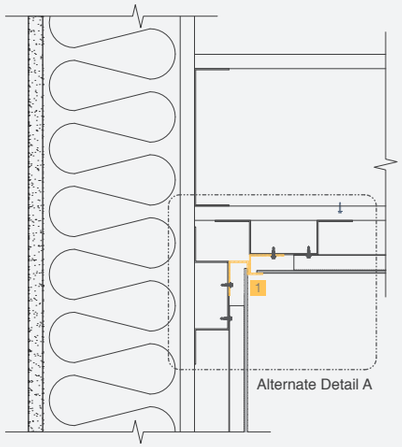
component parts

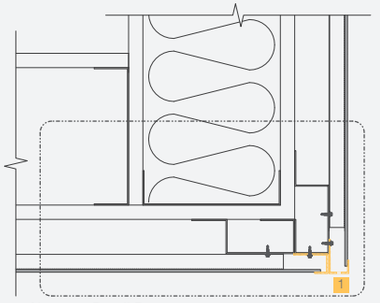
5

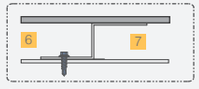


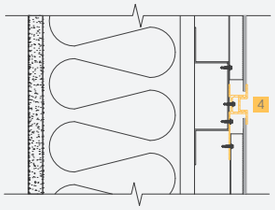
panel system

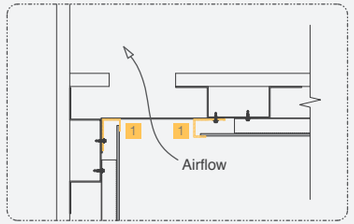


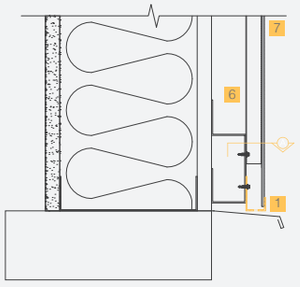


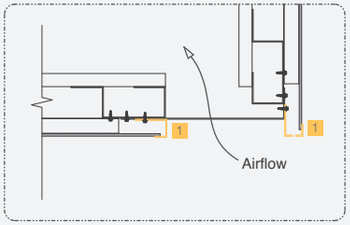






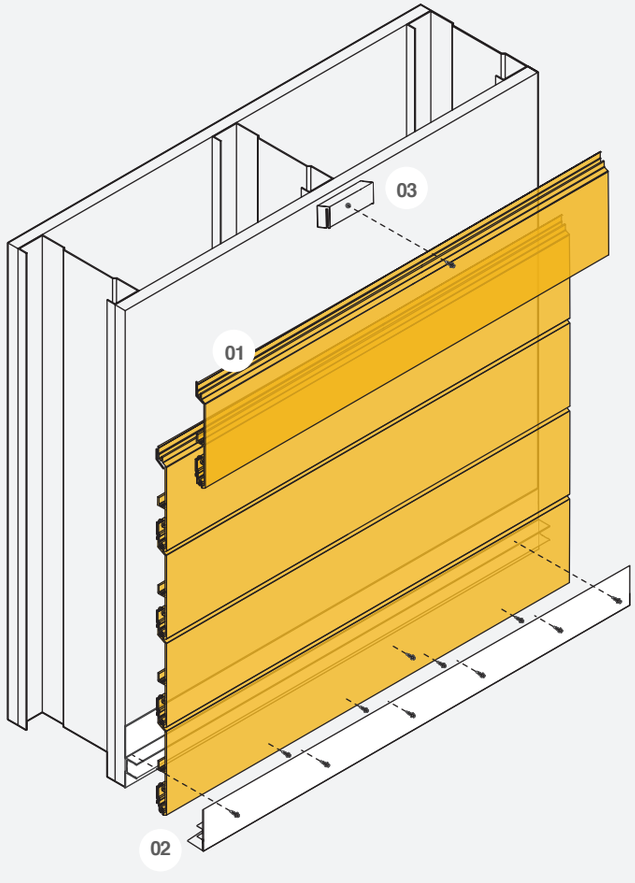






Our v-line system gives the look of traditional wood siding with all the added structural and durability benefits of metal.

v-line
system



The AL13 v-line system is comprised of:

01 v-line plank

v-line siding & soffit planks are manufactured using 6063 T5 aluminum alloy.

SIZE: 4” x 144” {101.6mm x 3657.6mm}
6” x 144” {152.4mm x 3657.6mm}

02 Extrusions

The v-line system utilizes seven different aluminum extruded profiles that are used to create architectural lines while fastening the panels to the substrate.

SIZE: 96” {2440mm} **lengths**

03 Back-End

System clips are used every 32” to secure the v-line panel to the wall.

SIZE: 4” {101.6mm} **lengths**

wood style. metal strength.

the AL13 v-line system.

02

no hassle installs

The v-line system installation is very simple and allows the configuration of the product to be tailored on site with minimal tools and time.

01. right side unit Showcased in v-line maple finish
02. left site this is an alternate view point of the same project

03

wood grains + solids

Our v-line system is available in 6 wood grains and over 40 standard solid and metallic colors. Use one or use combinations to achieve any modern look you desire.

04 soffits done right.

01. soffits Showcased in douglas fir

Looking to add wood sofits to your next project but concerned about durability and longevity of using a wood product?

The v-line system solves this problem as it is made entirely of aluminum and securely fastened to the sub straight. It will never sag, peel or crack like traditional soffit applications of the past.

01. top level cladding showcased with v-line oak finish

01. top level cladding showcased with v-line cherry finish

05

minimal maintenance + maximum durability

The v-line system is virtually maintenance free and because it is made of aluminum, it can't warp, rot or peel like traditional wood products.

The system is ready for whatever mother nature has in store.

.

06 v-line commercial applications

V-line is not just great for residential projects but can seamlessly integrate into any commercial project that is looking to add the warm tones of wood. Creating a more inviting exterior through these tones helps bring a sense of peace to an otherwise cold exterior.

clad the world™

01. v-line system shown in cherry finish

Technical Info

standard warranty

1

Finish	**15 years**

technical properties

2

Plank Weight	**1.35 lb/ft²**
Plank Size	**144" x 4"**
	144" x 6"
Thermal Expansion	**3.0E -5/ °C**

testing + standards

3

- ASTM E136
- ULC S114
- AAMA 508

component parts

4

1 v-line plank

2 system clip

4 reveal cap assembly

5 perimeter reveal cap assembly

6 flat cap assembly

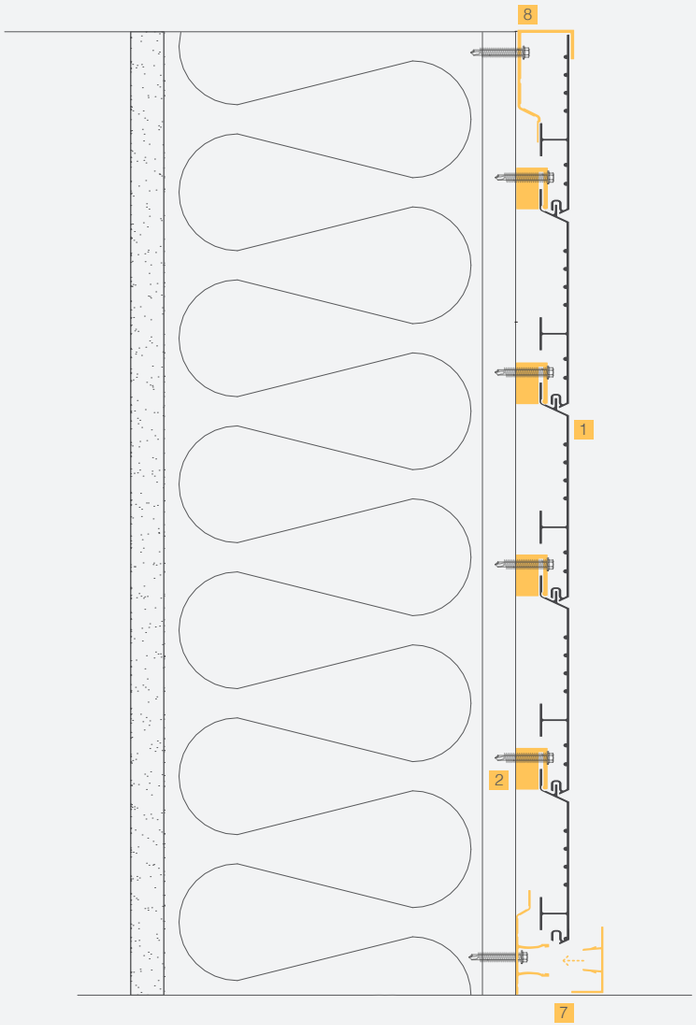
7 perimeter flat cap assembly

8 end frame

9 inside corner

10 outside corner

v-line system



standard colors for panel & v-line systems

solids

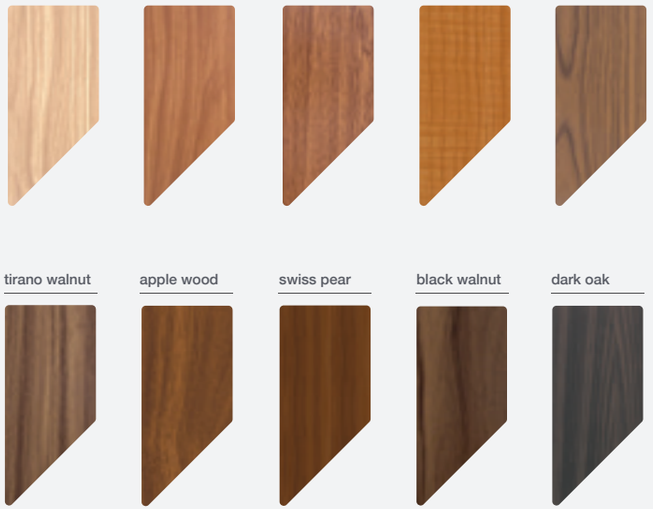
white
brilliant white
pearl
royal beige
ash
cobble stone
french beige
elephant grey
battle grey
mocha
tuscan
slate
black olive
acorn grey
coffee
galaxy black
midnight
mint
amazon
moss
emerald
ultra marine
french blue
catalina
pacific
atlantic
cobalt
duke
lemon
amber
peach
burnt orange
carmine
cayenne
cornell red

metals

silver metallic
tan metallic
emery metallic
pewter metallic
charcoal metallic

panel system woods

panels



v-line system woods

v-line

learn +

—

please go to al13.com/spectrum to learn more about the process and submit your sample.

We Can Match Any Color w/ Spectrum Process™

How the process works.

—

01. Choose any color & send us a sample.

02. We use Spectrum Process™ to match.

03. We send you your sample to approve.

Its that easy.

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