

TECHNICAL PRODUCT GUIDE

PANELS THAT
PERFORM.

PEOPLE THAT
DELIVER.

ORIGIN SELECT & LITE

PANEL PARAMETERS
TESTING INFORMATION



VISIT OUR WEBSITE:
ZEEFFPANELS.COM

Origin Select & Lite

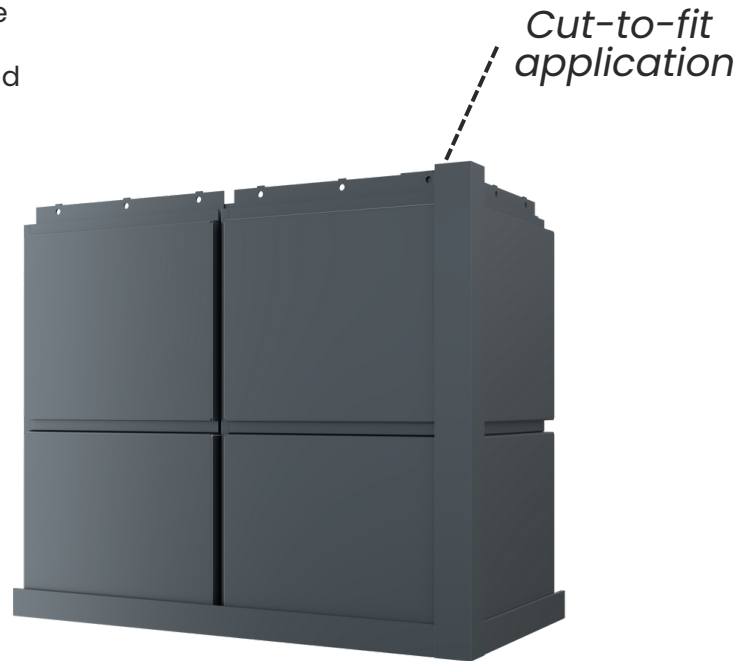
Origin Select retains the same quality and performance. The key to its affordability lies in the optimized process with select sizes, making this program an ideal choice for projects that demand both excellence and economic efficiency.

Origin Select

Standardized panel sizes,
painted aluminum material,
fixed at .080" thickness

Origin Lite

Standardized panel sizes,
painted aluminum material,
fixed at .063" & .050" thickness



Premier vs. Select

One System. Multiple Solutions.

Robust detailing, field measurements and
installation drawing sets

Ability to color match

Customize your panel size within our size
parameters to meet your vision

PREMIER

Faster shop drawing and production lead
times

Ability to custom color match

Wide variety of panel sizes to select from

SELECT

Premier vs. Select

Features	Premier	Select
Panel Sizes	Customizable	Standardized
Colors	Unlimited	Standard *Color match as requested
Formed Corners	✓	✗
Brake Metal Trims	✓	✗
Architectural Detailing	✓	✗
Cut-to-Fit Detailing	✓	✓
Field Measurement Drawings	✓	✗
Installation Drawing Set	✓	✓ *Available if required

Origin Select

Technical Data

Material Thickness: .080" Aluminum
System Depth: 1-1/4" nominal
Material Weight: Less than 2 lbs. / sf
Panel Reveals: 5/8" nominal
Material Finish: 70% PVDF | 100% FEVE



Panel Parameters: Available Program Sizes

Fully Tested
System
✓

AAMA 508
ASTM E330
ASTM E283

ASTM E1233
ASTM E331
AAMA 501.1
ASTM E84

Width x Height	Width x Height	Width x Height	Width x Height	Width x Height
18" x 48" Width x Height	22" x 48" Width x Height	24" x 96" Width x Height	60" x 24" Width x Height	96" x 22" Width x Height
18" x 72" Width x Height	22" x 60" Width x Height	24" x 120" Width x Height	72" x 16" Width x Height	96" x 24" Width x Height
18" x 96" Width x Height	22" x 72" Width x Height	30" x 30" Width x Height	72" x 18" Width x Height	120" x 16" Width x Height
18" x 120" Width x Height	22" x 96" Width x Height	36" x 36" Width x Height	72" x 20" Width x Height	120" x 20" Width x Height
20" x 60" Width x Height	22" x 120" Width x Height	48" x 22" Width x Height	72" x 22" Width x Height	120" x 22" Width x Height
20" x 72" Width x Height	24" x 48" Width x Height	48" x 24" Width x Height	72" x 24" Width x Height	120" x 24" Width x Height
20" x 96" Width x Height	24" x 60" Width x Height	60" x 20" Width x Height	96" x 16" Width x Height	
20" x 120" Width x Height	24" x 72" Width x Height	60" x 22" Width x Height	96" x 20" Width x Height	

Origin Select

Lite

Technical Data

Material Thickness: .063", .050" Aluminum

System Depth: 1-1/4" nominal

Material Weight: Less than 2 lbs. / sf

Panel Reveals: 5/8" nominal

Material Finish: High Performance Powder Coating (AAMA 2605/2604)

D2000 Series

25-year film integrity

15-year decorative integrity

Qualicoat Class 2 / AAMA 2604

D3000 Series

30-year film integrity

20-year decorative integrity

Qualicoat Class 3 / AAMA 2605



Fully Tested System

AAMA 508

ASTM E330

ASTM E283

ASTM E1233

ASTM E331

AAMA 501.1

ASTM E84

Panel Parameters:

Available Program Sizes

.063" Aluminum Width x Height	.063" & .050" Aluminum Width x Height
36" x 18" Width x Height	36" x 16" Width x Height
48" x 18" Width x Height	48" x 16" Width x Height
60" x 18" Width x Height	60" x 16" Width x Height
72" x 18" Width x Height	72" x 16" Width x Height
96" x 18" Width x Height	96" x 16" Width x Height
120" x 18" Width x Height	120" x 16" Width x Height

Understanding the Comparison of FEVE & PVDF Coatings

Performance & Application Comparison

Features	FEVE (Fluoropolymer)	PVDF (Fluoropolymer)
Available Colors	Wide range of solid mica finishes	Wide range of solid mica finishes
Available Gloss Ranges & Finishes	Matte & Texture (5%-25% gloss*) <i>*ZPS recommended*</i>	Matte only, typically 25% to 35% gloss
Third-party Certifications	Qualicoat Class-3 AAMA2605 test reports	AAMA2605 test reports
Warranty (decorative)	Up to 25 years	Up to 25 years
Repair and Maintenance	Liquid repair coatings available to match original	Liquid repair coatings available to match original
Metal Pretreatment	Non-toxic environmentally safe non-chromate based systems	Traditionally chromate based systems
Solvent Content	0%	Up to ≈ 65%
VOC Emissions	Solvent Free-Zero	Typically 60%-70% VOC
Green/Sustainability	Superior	Good
Number of Coats Reqd.	1	2-4 (typically 2)
Tolerance	Wider application tolerance at ambient temperature	Depends on control of ambient temperature & solvent content
Custom Sample Color Matching	≈ 2-4 Weeks	≈ 2-4 Weeks

What is FEVE?

FEVE (Fluoroethylene Vinyl Ether) is a premium high-performance coating for architectural metals, that delivers superior UV resistance, weather durability, and long-lasting color protection — making it ideal for exterior metal panels.



AAMA 2605

FEVE meets AAMA 2605 specifications.

What is PVDF?

PVDF (Polyvinylidene Fluoride) is a premium high-performance coating for architectural metals, offering excellent UV resistance, durability, and long-lasting color protection against chalking, fading, and corrosion.



AAMA 2605

PVDF meets AAMA 2605 specifications.

Key Differences:

Durability: FEVE offers exceptional abrasion and scratch resistance, making it ideal for high-traffic areas.

Application: The main difference between PVDF and FEVE is simply how they are delivered to the material. The ZPS aluminum panel would be considered the material substrate.

Legacy vs. Innovation:

- PVDF = Aesthetic with proven reliability.
- FEVE = Next-generation flexibility and aesthetics.

What are VOC's?

VOCs (Volatile Organic Compounds) are carbon-based chemicals that easily evaporate into the air, contributing to pollution and potential health risks.

How are they measured?

VOCs are generally calculated as the weight of volatile compounds that evaporate, divided by the volume of coating/product.

Why Do VOCs Matter?

- **Health:** High VOC levels can cause irritation, headaches, or respiratory issues.
- **Environment:** VOCs contribute to smog and ozone formation.
- **Regulation:** Agencies like the EPA and SCAQMD set strict VOC limits.
- **Sustainability:** Green building programs (e.g., LEED) reward low-VOC materials.



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