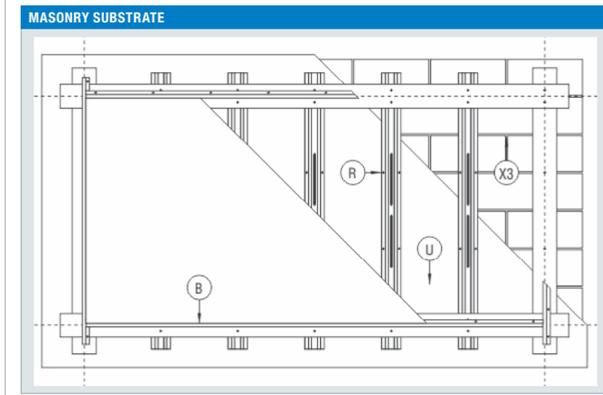
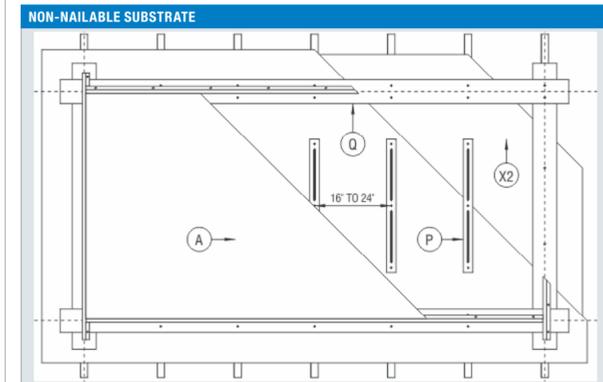
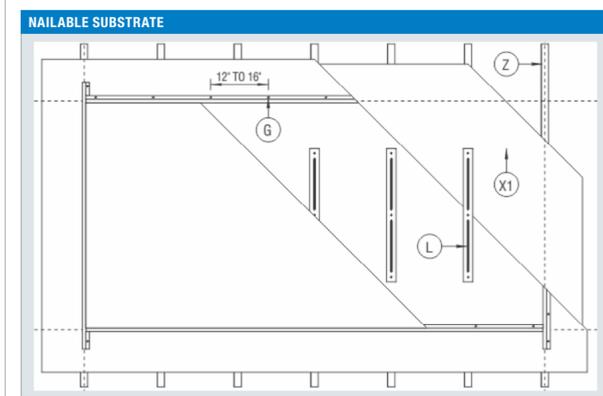


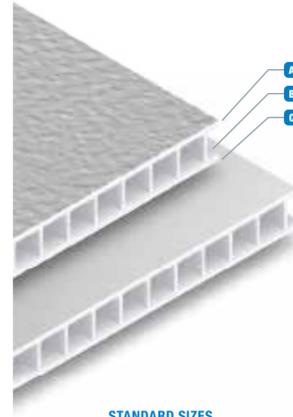
## SUBSTRATE LAYOUT



### COMPONENTS

- A** ProCore™
- B** One Piece Molding
- G** Fastener
  - As selected by contractor to suit project requirements.
  - panel - secured by sealant/adhesive
  - molding - 12" to 16" along length
- L** Construction Adhesive
  - An approved adhesive must be used. Contact Citadel for current list.
  - located 16" to 24" o.c.
  - 3/8" bead x 2/3 panel height
  - for panels 36" x 36" or larger
- P** Field Strapping
  - located 16" to 24" o.c.
  - 1-1/2" (min) x 2/3 panel height
  - 22ga (min) recommended
  - fastened 12" to 16" along length
- Q** Grid Strapping
  - 16ga (min) recommended
  - fastened 12" to 16" along length
- R** Furring
  - metal (hat channels, z-girts) or wood
  - located 16" to 24" o.c.
  - fastened 12" to 16" along length
- S** Shim (not shown)
  - plastic shims recommended
  - flatness tolerance is 1/4" in 20'-0"
- U** Air/Moisture Barrier
  - Recommended for this system.
- X1** Nailable Substrate
  - plywood - 1/2" (min) recommended
  - OSB - 1/2" (min) recommended
- X2** Non-Nailable Substrate
  - exterior gypsum board
- X3** Masonry Substrate
  - CMU (block)
  - pre-formed concrete
- Z** Stud Framework
  - metal or wood
  - located 16" to 24" o.c.

NOTE: Combine both SECTION and SUBSTRATE drawings for a complete listing of components.



### STANDARD SIZES

- 48" x 96" (121.9cm x 243.8cm)
- 48" x 120" (121.9cm x 304.8cm)
- 48" x 144" (121.9cm x 365.8cm)
- 60" x 96" (152.4cm x 243.8cm)
- 60" x 120" (152.4cm x 304.8cm)
- 60" x 144" (152.4cm x 365.8cm)

Cut-to-size panels are available in any increment up to 60" x 144".

### WARRANTY

- Panel Composition: 5 years
- Polyester Finishes: 5 years
- Kynar 500® Finishes: 30 years
- Anodized Finishes: 20 years

### RECYCLED CONTENT (BY WEIGHT)

- Panels With Textured Face**
- Post-Consumer: 0.9%
- Post-Industrial: 21.3% to 25.5%

### Panels With Smooth Face

- Post-Consumer: 0.8%
- Post-Industrial: 31.5% to 34.7%

### BENDING / CURVING

Panels and moldings may be curved on-site (worked along a substrate) or in a factory setting.

- Min. Radius On-Site: 25' (most applications)
- Min. Radius Factory: 12"

Citadel Architectural Products, Inc.  
3131-A North Franklin Road  
Indianapolis, Indiana 46226  
phone (317) 894-9400 • (800) 446-8828  
fax (317) 894-6333 • (800) 247-2635  
[www.citadelap.com](http://www.citadelap.com) • [info@citadelap.com](mailto:info@citadelap.com)



©2014 Citadel Architectural Products, Inc. All Rights Reserved.  
ProCore™ is a trademark of Citadel Architectural Products, Inc.  
Kynar 500® is a registered trademark of Arkema, Inc.  
Printed in The U.S.A. 08/14

## PROCORE™ ONE PIECE MOLDING SYSTEM

### MATERIAL PROPERTIES

Component	Standard (in)	Metric (mm)
<b>A</b> Prefinished Textured Aluminum <sup>1</sup>	.010"	0.25mm
(or) Prefinished Smooth Aluminum <sup>1</sup>	.024"	0.61mm
<b>B</b> High Density Polypropylene	.276"	7.00mm
<b>C</b> Primed Smooth Aluminum	.010"	0.25mm

### PANEL PROPERTIES

Property	Standard (in)	Metric (mm)
Panel Weight		
Textured Face	0.63 lbs/ft <sup>2</sup>	3.07 kg/m <sup>2</sup>
Smooth Face	0.82 lbs/ft <sup>2</sup>	4.02 kg/m <sup>2</sup>
Nominal Thickness	5/16"	7mm
Thickness Tolerance	±1/32"	±0.79mm
Length & Width Tolerance	+0, -1/8"	+0, -3.18mm
Squareness	1/64" per lineal ft	
Flatness	visually flat	

### FINISH PROPERTIES

Finish	Type	Coating
Textured Polyester	1-coat	0.80 mil color
Smooth Kynar 500®	2-coat PVDF (solid, mica)	0.20 mil primer + 0.80 mil color
	3-coat PVDF (metallic)	0.20 mil primer + 0.80 mil color + 0.70 mil clear
Smooth Anodized	Exterior Standard No. 1 <sup>2</sup>	0.20 mil to 0.45 mil (depending on color)

<sup>1</sup> - Prefinished aluminum skins are furnished with a PVC film for protection during shipment and installation.  
<sup>2</sup> - Class I or Class II anodizing is available as a premium custom finish. However, the warranty remains the same and fabrication difficulties will result (increased crazing, cracking) due to the increased film thickness.



## PROCORE™

### ONE PIECE MOLDING SYSTEM



## Lightweight Cladding In An Easy-To-Install System

### TECHNICAL MANUAL

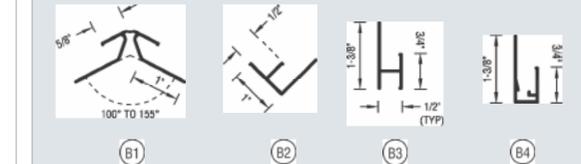
- System Assembly
- Substrate Layouts
- CAD Sections/Details
- Physical Properties
- Performance Properties

## SYSTEM ASSEMBLY



BATTEN PROFILES

### MOLDINGS / EXTRUSIONS



### PROPERTIES

- B1** PA-8X Outside Corner  
10'-0", 2.40 lbs
- B2** PA-9X Inside Corner  
10'-0", 1.20 lbs
- B3** PA-12X Horizontal/Vertical  
10'-0", 1.35 lbs
- B4** PA-15BX Perimeter J  
10'-0", 1.50 lbs

