



alpoli color chart

ALPOLIC® & ALPOLIC®/fr

MATERIALS

 MITSUBISHI PLASTICS COMPOSITES AMERICA, INC.

innovation•style•performance

www.alpoli-northamerica.com



EXPAND YOUR CREATIVE HORIZONS WITH THE RICHNESS AND VIBRANCY OF ALPOLIC®. OUR EXTENSIVE SELECTION OF SURFACE TREATMENTS AND COIL PAINTED OR NATURAL METALS ENABLE YOU TO CREATE DESIGNS AND EFFECTS THAT NO OTHER PANEL SYSTEM CAN ACHIEVE. WHETHER YOU'RE LOOKING FOR TRADITIONAL MUTED COLORS, NEWER, BRIGHTER AND CLEANER COLORS, FAUX FINISHES, METALLIC, MICA, OR NATURAL METAL SURFACES, ALPOLIC®, WITH OUR COMBINATION OF UNIQUE COATING AND PAINT TECHNOLOGY, CAN CREATE THE LOOK YOU WANT.

Architectural Stock Finishes and Colors



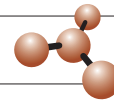
STOCK painted colors are produced in 2-coat or 3-coat finishes, and are stocked in two widths: 50 and 62 inches and two lengths: 146 and 196 inches. These 4mm thick panels, available in PE and FR core, are manufactured to architectural standards in 7 solid colors, 5 metallics, and 4 micas. Distinctive classics of the industry, they are stocked for immediate shipment.

ANODIZED panels are stocked in a clear anodized Class 1 finish. We stock both 50 and 62-inch panels, manufactured

with 1100 alloy aluminum. This is the purest aluminum made unique to the North American market. There are 5 additional custom anodized finishes also available.

NATURAL METALS offer a traditional look in a truly state of the art panel system. They feature the same flatness and workability of aluminum composite but with the metal surface of your choice. Each 4mm metal panel is stocked and available for immediate shipment.

Program Colors



PROGRAM colors from ALPOLIC® deliver design and performance advantages inconceivable before now. Only ALPOLIC®'s FEVE paint system with Lumiflon™, a remarkable second-generation fluoropolymer coating, can produce vivid, bright colors in a wide range of glosses. In fact, ALPOLIC®'s color specialists have matched and produced thousands of different colors and all available in a 30 to 70 gloss range. This astounding range is possible only with our FEVE technology. Pick a color from the chart or let us build you a color as unique as your project. Finishes are in both 2 and 3-coat systems, and panels are stocked in either 3mm or 4mm thickness. We control all our coating internally to ensure your color is correct and meets your expectations. These colors may or may not be in stock at any time. Contact customer service for availability.

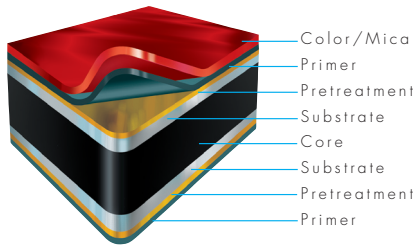
STONE/TIMBER SERIES is produced by combining a proprietary image transfer process developed by Mitsubishi Plastics with Lumiflon™ resin technology. The result is a lightweight painted panel with the classic beauty of stone or timber. The durable FEVE protective coatings offer all the protection of a standard fluoropolymer coating. We stock it in 62-inch panels for your immediate needs.

PEARLESCENT & PRISMATIC combine our advanced Lumiflon™ (FEVE) technology with specialized pigments to create unique colors and effects. The resulting finishes stand out beautifully, bringing 3-dimensional depth to your 2-dimensional surface. The Pearlized effect makes the surface sparkle like diamonds. The Prismatic effect actually changes colors with lighting or the movement of the sun. Please consult our Prismatic Brochure to find that unique color to compliment your building design.

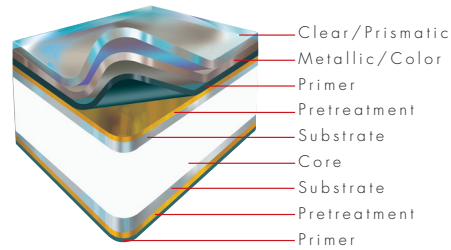
TWO-COLOR panels were developed by ALPOLIC® over 10 years ago, thanks to an advanced coating process capable of creating these unique applications. Our color stylists can help you develop a color scheme that fulfills your desires, from bright and glossy to muted and subtle. We work with the architect/designer to develop the look needed to convey your message. These systems can only be accomplished by combining the FEVE technology with our advanced die coil coating system.

DECORATIVE panels from ALPOLIC® use specially treated aluminum surfaces coated with crystal clear FEVE clear coats to create another technological breakthrough. HPA shines like a mirror. HLA and HLZ have the look of brushed stainless steel. The tough clear coats on both panels provide the necessary protection for exterior applications.

2 COAT/SOLID/MICA



3 COAT/METALLIC/PRISMATIC



CUSTOM COLORS from ALPOLIC® offer both 2 and 3-coat finishes in a virtually unlimited palette of colors, glosses and finishes made possible through the use of the latest in high-performance fluoropolymer resins, all of which meet or exceed the performance criteria of AAMA 2605. Bright and clean high gloss colors, rich metallics, low gloss earth tones, and Prismatic special effect coatings are all at your command. If you can imagine a color, ALPOLIC® can make it a reality.

METALLIC AND MICA – For the best color consistency in Metallic and Mica paint finishes, consider and maintain directionality during estimation, fabrication, and erection. We recommend ordering Metallic and Mica paint finishes for your entire job at one time and from one lot of material. We can provide lot matching when necessary to aid in color consistency.

SHORT RUN CAPABILITIES – ALPOLIC®'s coil coating system allows as little as 1,000 square feet to be coated in any color you wish. We can provide these small quantities of custom color with the color consistency of coil coating and the controlled curing that allows extended warranties. We stock coil in 40, 50 and 62-inch widths. The width you need combined with our short run capabilities provide the architect/designer with endless possibilities. Let our expert staff help you with color and selection of materials*.

GLOSS RANGE – It is extremely important to select the proper gloss finish. The same base color in a different gloss can change the eye's perception of the color. When submitting a color for custom matching, take the time to ensure that the gloss you desire is the same as the sample you want our color stylists to match. This will speed the custom color match process and ensure your ultimate satisfaction. Remember, the same exact color with different glosses can be visually different in appearance and effect.

THE EMERGING STANDARD IN FINISHES ALPOLIC® uses Lumiflon™ (FEVE) fluorocarbon resin as the standard for both stock and pre-formulated color paint finishes. This high

performance resin is the most advanced architectural fluorocarbon finish available today. FEVE delivers superior durability, weatherability, and chemical resistance. Lumiflon™ can produce any color in the Kynar® palette in a wider gloss range than Kynar®. Only the Lumiflon™ resin system can produce our broader palette of brighter, cleaner, and more exotic colors. The sky is the limit in creating your color in glosses ranging from satin to high luster. Lumiflon™ also has the ability to be recoated with an air-dry system without any special preparation, affording the same flexibility as the coil coated products.

LIGHT REFLECTIVE VALUE – The LRV (Light Reference Values) noted represent a percentage of the light energy, in the visible spectrum, that is reflected by the surface being measured. This value is defined in ASTM C609 as the Y value as measured in an XYZ/Yxy color space. The values noted on this card are typical values for these colors. Lot to lot variation will slightly affect the LRV values.

SOLAR REFLECTIVE INDEX – The Solar Reflective Index (SRI), as defined by ASTM E1980 incorporates reflectivity, or how well a material reflects back rather than absorbing radiant energy, and emissivity or how well a material radiates heat that was absorbed back into the environment.

CONSISTENT COATING QUALITY – Consistent coating quality is maintained through the continuous application of paints to the aluminum coil in the coil coating line. The "Die Coating" process that occurs on this line employs a unique technology developed by Mitsubishi Plastics that ensures a smooth, fine coating.

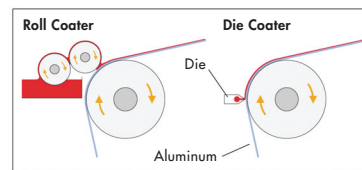


Fig. 1 Roll Coater vs. Die Coater

Roll Coaters are widely used in the aluminum industry and produce an adequate quality with reasonable efficiency. But Die Coater excels Roll Coater, permitting direct coating on aluminum surface that ensures smoother and finer finishes without grain lines.

*For additional information on stock availability, sizing and distribution, please contact your local ALPOLIC® sales office.

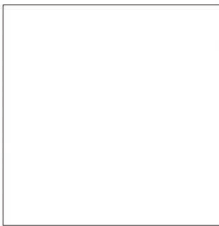
Architectural Standard Stock Colors

30 Year Finish Warranty



SOLID

Bone White
4-BNT-30



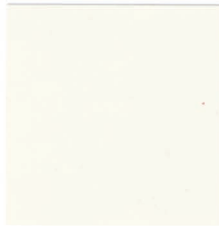
LRV 78.50
SRI 5/12/30: 82-82-83

Oyster
4-CRT-30



LRV 72.46
SRI 5/12/30: 81-82-83

Mist White
4-MST-30



LRV 69.96
SRI 5/12/30: 75-75-76

Aluminum Grey
4-AGT-30



LRV 31.60
SRI 5/12/30: 25-26-28

BGY Grey
4-BGY-50



LRV 10.41
SRI 5/12/30: 6-7-8

Bronze
4-JBR-30



LRV 3.34
SRI 5/12/30: 1-2-2

TOB Black
4-TOB-15



LRV 1.01
SRI 5/12/30: 0-0-0

MICA

Mica Platinum
4-OPT-50



LRV 30.88
SRI 5/12/30: 51-53-56

Mica Anodic Clear
4-MNC-30



LRV 34.43
SRI 5/12/30: 53-56-59

Mica Champagne
4-MCU-30



LRV 22.61
SRI 5/12/30: 34-38-41

Mica Grey
4-MZG-50



LRV 7.95
SRI 5/12/30: 14-14-15

METALLIC

BSX Silver Metallic
4-BSX-30



LRV 30.94
SRI 5/12/30: 70-71-72

Silver Metallic
4-SMX-30



LRV 36.59
SRI 5/12/30: 62-63-64

Champagne Metallic
4-CMX-30



LRV 31.19
SRI 5/12/30: 57-59-60

Medium Bronze Metallic
4-MBX-30



LRV 31.20
SRI 5/12/30: 37-40-42

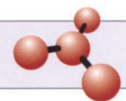
Dark Copper Metallic
4-DCX-30



LRV 15.09
SRI 5/12/30: 46-47-48

Architectural Premium Stock Finishes

Call for Warranty Details



NATURAL METALS

Titanium
4-OTI



LRV 18.68
SRI 5/12/30: <1-23-43

Stainless
4-4HL



LRV 21.84
SRI 5/12/30: 1-34-52

Zinc
4-AZZ



LRV 21.51
SRI 5/12/30: 0-0-8

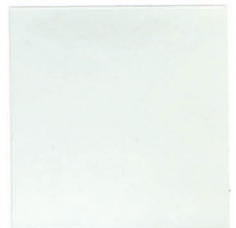
Copper
4-C12



LRV 5.03
SRI 5/12/30: 20-55-71

ANODIZED

Clear
4-CLR

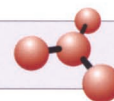


LRV 34.31
SRI 5/12/30: 83-84-84

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Four Millimeter Stock Program Colors

20 Year Finish Warranty



SOLID



BBR Red
LRV 8.06
4&3-BBR-30



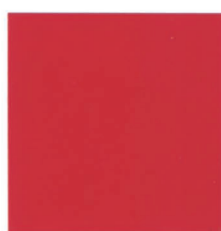
BTR Red
LRV 11.57
4&3-BTR-50



TOR Red
LRV 9.06
4-TOR-70



JLR Red
LRV 5.44
4-JLR-50



JXR Red
LRV 10.50
4-JXR-35



TRC Red
LRV 8.52
4-TRC-35



AUB Blue
LRV 3.25
4-AUB-50



CVB Blue
LRV 13.79
4-CVB-70



HNB Blue
LRV 16.78
4-HNB-50



RTB Blue
LRV 9.06
4-RTB-60



MBU Blue
LRV 10.59
4-MBU-30



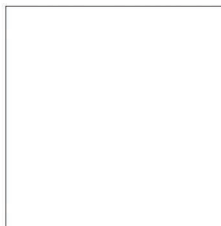
HYB Blue
LRV 4.20
4-HYB-30



ABE Blue
LRV 23.73
4-ABE-70



AYW Yellow
LRV 61.77
4-AYW-70



RVW White
LRV 86.34
4-RVW-G45



COW White
LRV 68.67
4-COW-30



BLX Black
LRV 0.89
4&3-BLX-30



CVG Grey
LRV 14.38
4&3-CVG-50

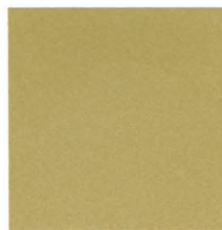
METALLIC



TSZ Silver Metallic
LRV 32.00
4-TSZ-80



TBX Silver Metallic
LRV 38.65
4&3-TBX-30

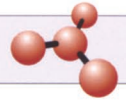


GOY Gold Metallic
LRV 25.51
4-GOY-80

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Three Millimeter Stock Program Colors

10 Year Finish Warranty



SOLID



STR Red
LRV 12.55
3-STR-75



TRD Red
LRV 10.26
3-TRD-80



FEF Red
LRV 11.64
3-FEF-80



BPS Pearl
LRV 68.79
3-BPS-30



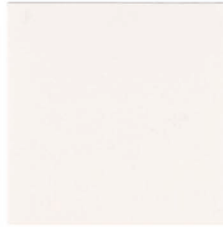
ETT Tan
LRV 47.87
3-ETT-30



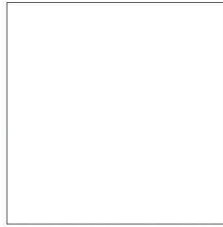
CRY Oyster
LRV 72.30
3-CRY-50



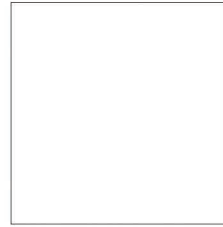
CTW White
LRV 76.42
3-CTW-30



MCV White
LRV 68.21
3-MCV-70



SAW White
LRV 80.62
3-SAW-75



EWH White
LRV 90.01
3-EWH-35



DYB Blue
LRV 10.06
3-DYB-50



CFB Blue
LRV 7.24
3-CFB-70



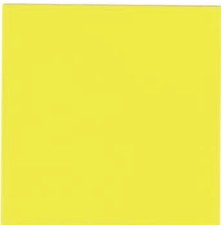
SHB Blue
LRV 4.12
3-SHB-70



BGN Green
LRV 14.39
3-BGN-50



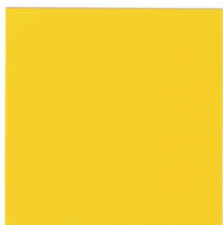
PUG Green
LRV 15.94
3-PUG-70



BYL Yellow
LRV 65.93
3-BYL-50



EYL Yellow
LRV 48.05
3-EYL-35



YLW Yellow
LRV 49.88
3-YLW-45



SBR Bronze
LRV 6.32
3-SBR-30



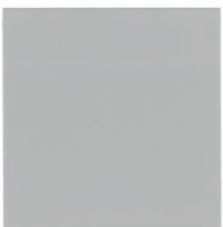
CNC Charcoal
LRV 4.20
3-CNC-30



TBL Black
LRV 0.75
3-TBL-70



SOG Grey
LRV 49.50
3-SOG-75



TXG Grey
LRV 40.69
3-TXG-70

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Specialty Stock Colors/Finishes

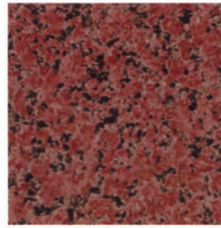


STONE SERIES

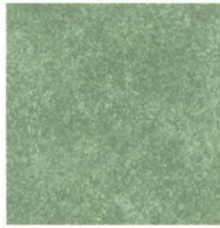
20 Year Finish Warranty



Black Granite
LRV N/A
4-LBG-80



Red Granite
LRV N/A
4-LRG-80



Patina Copper
LRV N/A
4-PSS-30



White Marble
LRV N/A
4-LWM-80

TIMBER SERIES

20 Year Finish Warranty



Maple
LRV N/A
4-MPL-30



Walnut
LRV N/A
4-WLN-30



Mahogany
LRV N/A
4-QAE-30

PRISMATIC/PEARLESCENT

10 Year Finish Warranty



MRT Prismatic Red
LRV 11.33
3-MRT-70



DQO Pearlescent Orange
LRV 22.21
3-DQO-80

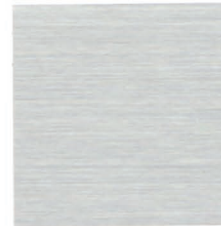
DECORATIVE

5 Year Finish Warranty



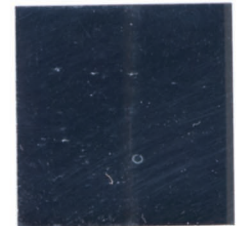
HLA Hairline Aluminum
LRV 16.32
3-HLA-80

10 Year Finish Warranty



HLZ Hairline Aluminum
LRV 16.32
4-HLZ-80

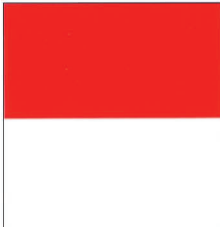
5 Year Finish Warranty



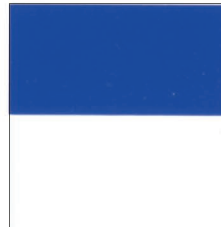
High Polished Aluminum
LRV 0.88
3-HPA-80

TWO COLOR PANELS

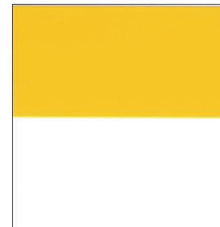
10 Year Finish Warranty



Red/White
LRV 11.64/80.90
3-209-70



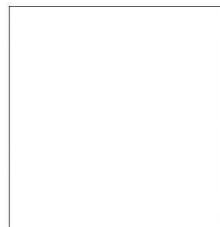
Blue/White
LRV 8.00/81.04
3-207-70



Yellow/White
LRV 48.05/90.01
3-234/238-35

CUSTOMIZED COLORS

Call for Warranty Details



SDX White Metallic
LRV 83.31
SDX-30



SLX Blue Metallic
LRV 5.20
SLX-30



PEX Pewter Metallic
LRV 20.63
PEX-30



SAP Prismatic Green
LRV 6.02
SAP-30



SCP Prismatic Red
LRV 7.21
SCP-30

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FEVE/LUMIFLON™, A REMARKABLE SECOND-GENERATION FLUOROCARBON COATING, MEETS THE WEATHERABILITY AND CHEMICAL-RESISTANCE STANDARDS YOU WOULD EXPECT FROM PVDF FINISHES, BUT DELIVERS DESIGN AND PERFORMANCE ADVANTAGES INCONCEIVABLE BEFORE NOW - A RICH PALETTE OF VIVID COLORS, A FULL GLOSS RANGE, EXCELLENT ADHESION, RECOATABILITY AND EVEN AMBIENT CURE CHARACTERISTICS.

| | FEVE / LUMIFLON™ | PVDF / KYNAR® |
|-----------------|-------------------------|----------------------|
| DURABILITY | Meets AAMA 2605-05 | Meets AAMA 2605-05 |
| COLOR RANGE | Bright to Muted | Muted Only |
| COLOR RETENTION | Excellent | Excellent |
| GLOSS RANGE | 30-70 | 30-40 |
| GLOSS RETENTION | Excellent | Excellent |
| CHALKING | Excellent | Excellent |
| FIELD TOUCH-UP | Excellent | Poor |
| MARRING | Excellent | Good |

For additional information, samples or a list of ALPOLIC® fabricators, please call 1-800-422-7270 or visit www.alpolic-northamerica.com.

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MATERIALS

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