earth metal

DIMENSIONAL SURFACING

Gage 78 earth metal Dimensional Surfacing

The Product

Earth Metal[™] is a highly dimensional and extremely durable architectural surfacing designed for use as feature walls, columns, dividing walls, elevator interiors, ceilings and other innovative architectural applications. Earth Metal is suitable for both interior and exterior use.

The Earth Metal product is truly one of a kind. The pattern depth and dimension can only be achieved by the manufacturing process developed for the product. Earth Metal panels are eight inch wide modules available in lengths up to twenty feet. The virtually seamless panel connections allow for an uninterrupted visual flow between panels. The product is manufactured entirely in Wisconsin using state of the art facilities. Most designs are protected by design patent or copyright.

The collection currently offers 10 standard designs and 16 standard finishes. Associated reference names and numbers are shown on each photograph and also summarized in chart form on pages 43 to 45.

The Aluminum Advantage

Aluminum is a very efficient and environmentally friendly material. Over 70% of the aluminum produced since 1880 is still in use today. Aluminum is 100% recyclable and the recovery of aluminum via recycling has been an important part of the aluminum industry since the late 1960's. In keeping with this sustainable strategy, the scrap remaining from the Earth Metal manufacturing process is returned to the mill and melted for recycling. This process requires only 5% of the energy used to originally produce aluminum and helps to reduce our dependence on energy and raw materials.

Earth Metal products are made from 66% recycled aluminum (50% postconsumer, 16% pre-consumer).

Earth Metal is produced from aluminum alloy 6063 which uses magnesium and silicon as the alloying elements. Alloy 6063 is used for a variety of architectural applications and is typically produced with a smooth surface especially suited for finishing. Earth Metal is tempered to a T5 level that provides a tensile strength of 22,000 psi with an ultimate yield strength of 16,000 psi (refer to definitions on page 43). The finished product is a tough and durable material.

Continuing A Tradition

Gage 78 shares common ownership with Gage Architectural Products, an internationally recognized leader in the design and manufacturing of specialty metal architectural products since 1988. Like other Gage products, Earth Metal is designed as a complete system. Thoughtful development delivers a well-engineered product with a focus on ease of installation. Time studies on projects to date indicate that 40-70 SF of material can be installed per man hour to the properly prepared substrate such as 1/2-inch plywood or studs 8 inches on center.

Collaboration

Collaboration on custom designs and finishes is encouraged by Gage 78 subject to the parameters of the Earth Metal production process. For additional information, please contact your sales representative or Gage 78 (info@gage78.com).

Design

Ashton EM 7809 Honest Aluminum finish

Design

Little Earth EM 7800 & 7801 Nickel Pearl finish

9' radius

Featured on brochure cover

Lobby Installation







Little Earth 1 EM 7800 Nordic Silver finish

Earth Metal flagship Ground-breaking organic pattern Depth and dimension

Little Earth 2 EM 7801 Nordic Silver finish

Design images shown to scale. Profile images shown on page 38.



Design

Little Earth EM 7800 & 7801 Nickel Pearl finish 20' high feature wall with 9' radius

111

Ills

0

0

Ceiling Gage 700 Series











Exterior Columns

Little Earth EM 7800 & 7801 Custom PVDF finish

13 feet high, 36" square

Black j-trim corners (Construction photo)

Exterior Columns





EM 7802 Honest Aluminum finish Subtle Art Deco influence

- Smooth and curvaceous
- Flexible design options



Exchange 2 EM 7803 Honest Aluminum finish

Design images shown to scale. Profile images shown on page 39.



Exchange EM 7802 & 7803 Champagne Mist finish

Image not to scale.





Metal Valley

EM 7804 Honest Aluminum finish

Clinton \sim Rasmussen, Associate AIA

- Strong vertical rib pattern
- Undulating peaks and valleys
- Practical design applications



Custom anodized copper finish



Metal Valley EM 7804 Horizontal orientation

20

Left Design

Metal Valley EM 7804 Satin Nickel finish Matching J-trim

Right Design

Metal Valley EM 7804 Satin Nickel finish





Plaza

EM 7805 Antique Bronze finish

Design images shown to scale. • Profile image shown on page 40.



Classic fluted design
Interpreted in metal
Timeless elegance



Design Left

Plaza EM 7805 Light Bronze finish

Design Right

Plaza EM 7805 Champagne finish









Roman Fold EM 7806 & 7807 Dark Bronze Pearl finish







Roman Fold EM 7806 & 7807 Dark Bronze Pearl finish



Pacific Sail EM 7808 Light Bronze finish

Design images shown to scale. • Profile image shown on page 40.



Smooth and flowing
Spectacular when soaring to 20 feet high (6.1 m)



Ashton

EM 7809 Champagne Metallic finish

- Low relief linear pattern Clean and simple Multiple design applications
- Design images shown to scale. Profile image shown on page 40.





Drawings Exchange xchange N Meta alle

file



. . . .







Accessories profile images shown to scale.

Name	Weight/SF	Material Thickness	Width	Maximum Length	Alloy	Temper	Tensile Strength	Yield Strength
Little Earth 1	4 lbs./sf	0.11"	8″	20'	6063	Т5	22,000 psi	16,000 psi
Little Earth 2	4.7 lbs./sf	0.11″	8″	20'	6063	Т5	22,000 psi	16,000 psi
Exchange 1	2.4 lbs./sf	0.11″	8″	20'	6063	Т5	22,000 psi	16,000 psi
Exchange 2	2.6 lbs./sf	0.11″	8″	20'	6063	Т5	22,000 psi	16,000 psi
Metal Valley	3.3 lbs./sf	0.08″	8″	20'	6063	Т5	22,000 psi	16,000 psi
Plaza	2.5 lbs./sf	0.11″	8″	20'	6063	Т5	22,000 psi	16,000 psi
Roman Fold 1	3.3 lbs./sf	0.11″	8″	20'	6063	Т5	22,000 psi	16,000 psi
Roman Fold 2	3.9 lbs./sf	0.11″	8″	20'	6063	Т5	22,000 psi	16,000 psi
Pacific Sail	2.3 lbs./sf	0.11″	8″	20'	6063	Т5	22,000 psi	16,000 psi
Ashton	3.1 lbs./sf	0.10″	8″	20'	6063	Т5	22,000 psi	16,000 psi

Temper refers to the combination of hardness and strength imparted to the aluminum alloy by mechanical or thermal treatments. A T5 temper produces the tensile and yield strengths represented in

Tensile strength is defined as the maximum stress that a material can withstand while being stretched or pulled before failing or breaking.

Yield strength is the stress at which a specified amount of permanent deformation of a material occurs.



For technical reasons associated with color reproduction, the colors shown on this page give only an indication of color and finish. No warranty or guarantee can be provided that they will exactly match the product as supplied. Finish samples are available on request.

5.
\square
P.C.
$\frac{1}{2}$
ĕ
$\overline{\bigcirc}$
<u> </u>
\bigcirc
<u>a</u>
$\overline{\mathbf{O}}$
Ň
S

inishes	Code	Туре	Gloss	Color Variance	Hardness ASTM D-3363	AAMA	Max Length
e	СН	AN	Satin	+/- 5 Delta E	4-6H	611	18'
iminum	HA	AN	Satin	+/- 5 Delta E	4-6H	611	18'
ze	LB	AN	Satin	+/- 5 Delta E	4-6H	611	18'
ł	SN	AN	Satin	+/- 5 Delta E	4-6H	611	18'
onze*	AB	PC	Matte	+/-2 Delta E	0-2H	2603	20'
e Metallic	СМ	PC	Matte	+/-2 Delta E	2-4H	2604	20'
l Bronze	ORB	PC	Matte	+/-2 Delta E	2-4H	2604	20'
ber	RC	PC	Matte	+/-2 Delta E	2-4H	2604	20'
	SM	PC	Satin	+/-2 Delta E	2-4H	2604	20'
·l	WP	PC	Gloss	+/-2 Delta E	2-4H	2604	20'
e Mist	СНМ	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
per	СС	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
e Pearl	DBP	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
·l	NP	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
er	NS	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'
	PW	PFC	Satin	+/- 2 Delta E	H-2H	2605	20'

PC - Powder Coat Finish

PFC – PVDF Coating (page 46)

*Interior only – other finishes are both interior and exterior. AAMA - American Architectural Manufacturers Association (Meets or exceeds specification listed above.) Refer to gage78.com for AAMA specifications.

> Delta E - Measurement of the distance in color space between two colors

Anodizing

Also known as electrolytic passivation, anodizing is the process used to increase the thickness of the natural oxide layer of the aluminum surface. Anodizing increases corrosion and wear resistance, surface hardness and allows for selective dyeing or coloring although minor color variation is inherent in the process. We offer a standard selection of anodized finishes. Custom anodized finishes are rarely produced due to the nature of the process. Anodizing is environmentally safe emitting zero volatile organic compounds (VOCs).

Powder Coating

Powder Coating is an electrostatic application of a dry powder that is then cured by heat to form a durable cover skin over the aluminum substrate. Powder coat finishes are more durable than liquid paints with very little color variance. Custom powder coat finishes are offered by Gage 78 in addition to our standard powder coat finishes. Powder coating is also kind to the environment and emits zero VOCs.

PVDF Coating

PVDF (polyvinylidene fluoride) is a highly non-reactive plastic fluoropolymer used in high end liquid paints. PVDF coatings provide superior chemical and heat resistance making it an excellent choice for exterior architectural applications.

PVDF coatings offer superb color retention and consistency. It is also the best choice for specifiers looking for custom colors and finishes most of which we can mix in-house. This process does emit VOCs but they are totally contained within the manufacturing process.

- Gage 78.
- hours of request.

Design

Pacific Sai EM 7808 Champagne finish

Short Form Specification

Specifying Earth Metal[™] is a simple process. Follow the short form guidelines listed below. Complete architectural/CSI specifications and installation guidelines can be downloaded from gage78.com.

Item: Gage 78 Earth Metal

Design: Enter specified design/name, i.e. EM 7804 Metal Valley

Metal: 6063 Aluminum T5

Material Refer to the design matrix Thickness: shown on page 43.

Length: Refer to the finish matrix on page 45 for maximum length determined by finishing process.

Finish: Enter name/code of finish per matrix on page 44-45, i.e. Honest Aluminum (HA).

Specification: Enter AAMA number per finish matrix, i.e. AAMA 611

System: Earth Metal mechanical attachment

General Comments

1. Renderings and shop drawings, if required, are available from

2. Standard lead times are typically 6 weeks. Contact customer service for expedited production schedules.

3. Quotations for standard products are provided within 24-48

Earth Metal currently has 10 standard designs and 16 standard finishes. Custom finishes are a specialty of Gage 78. Please contact your sales representative or the factory for custom designs or specialty finishes.

Environmental Statement

Gage 78, Inc. is dedicated to continual environmental improvement. As a member of the US Green Building Council (USGBC), Gage 78 promotes conservation, recycling, and efficient use of energy.

Earth Metal uses 66% recycled aluminum (50% postconsumer, 16% pre-consumer) creating an end product that is both recycled and eventually recyclable. Gage 78, Inc. is committed to a greener planet.

Mississippi River Valley



877-784-4243 01-608-782-7178 info@gage78.com _ gage78.com



G78-032013 ML51GJ1D4501 United States Exclusive Distributor



855-753-5474 koroseal.com