

2019  
**PRODUCT** DIRECTORY  
SEAMLESS COIL & ACCESSORIES FOR SIDING & ROOFING



EMCO Building Products is a manufacturer of seamless coil and accessories for siding, roofing and gutters and is committed to providing our customers with innovative, best-in-class materials focusing on productive inventory management that maximizes your profitability.

Since EMCO Building Products was founded in 1989, the company has prided itself as a premier home exterior products manufacturer. Our promise to our customers is to deliver enduring beauty, impressive strength and uniform quality, combining into a fantastic-looking exterior appearance. Today, we ship product directly to our customers at their location. Because we always have product ready to ship, we can meet the demands of our diverse customer base. We are committed to being a partner in your business, and we truly understand the importance of balancing inventory management and project scheduling. EMCO Building Products is based out of Fargo, ND, and we ship directly to our customers nationwide. We have several strong relationships with major freight carriers, and we manufacture and ship out of a central location.

We use a paint supplier with premium exterior grade ceramic custom coatings and who are Cool Roof Rating Council (CRR) compliant. At EMCO Building Products, we like to say that we are the “seamless people.” We are the only coil supplier that designs and manufactures job-site (portable) and in-plant roll-forming machines (Eastside Machine Co.) in the United States. We understand the seamless business and appreciate how your material sourcing can impact your bottom line at multiple levels.

- Best in class 70% – Kynar 500® /Hylar 5000® coatings with PTFE additive.
- Made from USA recycled and recyclable steel.
- Quick turnaround, fast delivery and simple ordering direct from manufacturer.
- Multiple coil sizes to fit the project, all with matching color on back.
- Best warranty in the industry – bar none – for all steel and aluminum products.
- World-renowned roll-forming machine expertise dating back to 1960.
- Industry's best-selling 3 in. x 3 in. downspout and elbow
- Coordinated colors offer the most attractive and functional selection on the market today.



Note: All EMCO products and specifications are subject to change without notice.

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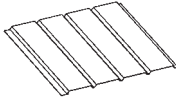
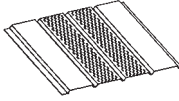
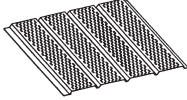
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# Soffit & Accessories


## Aluminum Soffit Panels

**Available Colors:** Ash, Black, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Mocha, Northwood, Royal Brown, Sage, Sand, Storm, White

Product Image	Description	Thickness	Length	sq/ft	pcs/ctn	Weight
	<b>16 in. Solid Soffit Panel</b>	.019	10 ft	200	15	60 lbs
	<b>16 in. Center Vented Soffit Panel</b> (NFOA) 6.6 sq inches per linerar foot	.019	10 ft	200	15	60 lbs
	<b>16 in. Full Vented Soffit Panel</b> (NFOA) 13.2 sq inches per linerar foot	.019	10 ft	200	15	60 lbs

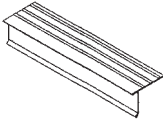
## Aluminum Soffit Starter Strip

**Available Colors:** Ash, Black, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Mocha, Northwood, Royal Brown, Sage, Sand, Storm, White

Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	<b>3/8 in. J-Channel Soffit Starter Strip</b>	.019	10 ft	300	30	19 lbs

## Aluminum Roof Edge

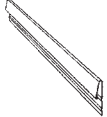



**Available Colors:** Ash, Black, Boulder, Brick, Bronze, Burlap, Canvas, Khaki, Mocha, Northwood, Royal Brown, Sage, Sand, Storm, White

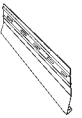
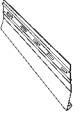
Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	<b>Style LL Roof Edge</b>	.019	10 ft	250	25	29 lbs

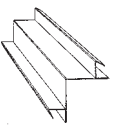
## Steel Fascia

**Available Colors:** Ash, Black, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Mocha, Northwood, Royal Brown, Sage, Sand, Storm, White

Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	<b>6 in. Steel Woodgrain Fascia</b>	28 g	10 ft	100	10	42 lbs
	<b>8 in. Steel Woodgrain Fascia</b>	28 g	10 ft	100	10	52 lbs

Steel Sill Trim, Corner Post Cap & J-Channel						
Available Colors: Ash, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Northwood, Sage, Sand, Storm, White						
Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	Sill Trim	28 g	10 ft	300	30	52 lbs
	Corner Post Cap	28 g	10 ft	100	10	47 lbs
	3/4 in. J-Channel	28 g	10 ft	300	30	52 lbs
	1 1/8 in. J-Channel	28 g	10 ft	300	30	52 lbs




Steel Starter Strips						
Available Colors: Mill Finish						
Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	2 1/2 in. Steel Starter Strip	28 g	10 ft	300	30	52 lbs
	3 1/2 in. Steel Starter Strip	28 g	10 ft	300	30	65 lbs

Steel Corner Post Base						
Available Colors: Mill Finish						
Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	3/4 in. Narrow Corner Post Base	28 g	10 ft	100	10	41 lbs

## Siding & Trim Coil

### Steel Siding Coil

**Available Colors:** Ash, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Northwood, Sage, Sand, Storm, White

Product Image	Description	Thickness	Length	coil/ctn	pcs/ctn	Weight
	<b>9 5/64 in. Seamless Steel Coil</b>	28 g	Approx. 1442 ft	N/A	1	Approx. 700 lbs
	<b>10 5/8 in. Seamless Steel Coil</b>	28 g	Approx. 1288 ft	N/A	1	Approx. 700 lbs
	<b>13 1/4 in. Seamless Steel Coil</b>	28 g	Approx. 1029 ft	N/A	1	Approx. 700 lbs

Note: Siding coils are also sold in 1/2 (350 lb) and 1/4 (175 lb) coils.

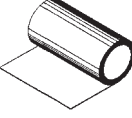
### Steel Trim Coil

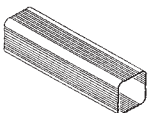


**Available Colors:** Ash, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Mocha/Black, Northwood, Royal Brown, Sage, Sand, Storm, White





Product Image	Description	Thickness	Length	coil/ctn	pcs/ctn	Weight
	<b>23.875 in. Steel Trim Coil</b>	28 g	50 ft	1	1	73 lbs


### Aluminum Trim Coil

**Available Colors:** Boulder/Canvas, Bronze/Storm, Carbon/Charcoal, Khaki/Ash, Northwood/Sand, Mocha/Black, Royal Brown/Brick, Sage/Burlap, White/White

Product Image	Description	Thickness	Length	coil/ctn	pcs/ctn	Weight
	<b>24 in. Aluminum Trim Coil</b>	.019	50 ft	1	1	26 lbs

Aluminum Downspout, Elbow & Brickledge Offset						
Available Colors: Ash, Black, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Mocha, Northwood, Royal Brown, Sage, Sand, Storm, White						
Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	3 in. x 3 in. Downspout	.019	10 ft	80	8	23 lbs
	3 in. x 3 in. Elbow	.019	N/A	N/A	30	11 lbs
	3 in. x 3 in. Brickledge Offset	.019	N/A	N/A	12 sets/ctn	9 lbs

Aluminum Box Miters & End Caps						
Available Colors: Ash, Black, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Mocha, Northwood, Royal Brown, Sage, Sand, Storm, White						
Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	5 in. K-Style Box Outside Miter	.019	N/A	N/A	20	6 lbs
	5 in. K-Style Box Inside Miter	.019	N/A	N/A	20	6 lbs
	5 in. Left End Cap	.019	N/A	N/A	50	2.5 lb
	5 in. Right End Cap	.019	N/A	N/A	50	2.5 lb



Aluminum Gutter Coil						
Available Colors: Boulder/Canvas, Bronze/Storm, Carbon/Charcoal, Khaki/Ash, Northwood/Sand, Mocha/Black, Royal Brown/Brick, Sage/Burlap, White/White						
Product Image	Description	Thickness	Length	coil/ctn	pcs/ctn	Weight
	11 7/8 in. Aluminum Gutter Coil	.032	Approx. 770 ft	1	N/A	Approx. 350 lbs

Note: Can also spin down by the foot, additional charges may apply; 50 ft minimum.

**Leafaway®**  
**Gutter**  
**Protection**

**Leafaway Aluminum Gutter Coil**

**Available Colors:** Mocha/Black, Northwood/Bronze, Raffia Beige/Royal Brown, Sandstone/Grecian Green, Shell/Desert Sand, White, Wicker/Autumn Brown

Product Image	Description	Thickness	Length	coil/ctn	pcs/ctn	Weight
	<b>7 3/8 in. Aluminum Gutter Coil</b>	.032	Approx. 736 ft*	1	1	Approx. 200 lbs
	<b>13 1/4 in. Aluminum Gutter Coil</b>	.032	Approx. 820 ft*	1	1	Approx. 400 lbs

Note: Can also spin down by the foot, additional charges may apply; 50 ft minimum.


**Leafaway End Caps & Gutter Hanger**


**Available Colors:** White or Paintable


Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	<b>5 in. Left End Cap</b>	N/A	N/A	N/A	150	20 lbs
	<b>5 in. Right End Cap</b>	N/A	N/A	N/A	150	20 lbs
	<b>Gutter Hanger*</b>	N/A	N/A	N/A	200	33 lbs

\*Not paintable. Available in black only.



Touch-Up Paint Pen						
Available Colors: Ash, Black, Boulder, Bronze, Burlap, Canvas, Charcoal, Khaki, Mocha, Northwood, Sage, Sand, Storm, White						
Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	Touch-Up Paint Pen	N/A	N/A	N/A	1	N/A

Touch-Up Spray Can						
Available Colors: Ash, Black, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Mocha, Northwood, Royal Brown, Sage, Sand, Storm, White						
Product Image	Description	Thickness	Length	Linear ft/ctn	pcs/ctn	Weight
	Touch-Up Spray Can	N/A	N/A	N/A	1	N/A

Touch-Up Paint Bottle						
Available Colors: Ash, Black, Boulder, Brick, Bronze, Burlap, Canvas, Carbon, Charcoal, Khaki, Mocha, Northwood, Royal Brown, Sage, Sand, Storm, White						
Product Image	Description	Thickness	Length	coil/ctn	pcs/ctn	Weight
	Touch-Up Paint Bottle	N/A	N/A	N/A	1	N/A

Note: Use the touch-up paint pens for EMCO steel products, the spray can for mount blocks, fasteners, end caps and miters and the touch-up bottle for nails and screws.

# Steel Siding, Roofing & Accessory Specifications

## SYSTEM OVERVIEW

The Koolnar™ PVDF coil coating system manufactured and distributed globally by Continental Coatings Inc. and Yung Chi Paint and Varnish Manufacturing Company Ltd., is a Premium 70% PVDF coil coating system engineered for monumental building product applications and severe exterior environments that require long life and extended warranty coverage. The Koolnar™ system uses licensed Kynar® and Hylar® PVDF Fluoropolymer technology which is ultra-resistant to UV radiation and natural weathering. Koolnar™ uses only the highest-quality, long-lasting ceramic and metallic pigmentation to insure optimal exterior color fastness and longevity. This system is also available in multiple coats and various specialty high-build systems. Koolnar™ may be applied over the Universal PU-11 High Molecular Weight Urethane Primer or PU-30 High-Build Urethane Primer Systems for extreme environment and extra-long service life warranted building product applications.

## APPLICATION PARAMETERS

The Koolnar™ system is designed for trouble-free coil coating line application and has been run for well over two decades on new and old coil lines around the world. Standard topcoat DFT is .70-.80 mils, which allows for optimal application consistency, color stability and exterior performance. Koolnar™ was formulated to provide improved stain resistance and cleanability, as well as scratch resistance and surface toughness. Superior primer corrosion resistance and substrate adhesion, along with chemically enhanced topcoat intercoat adhesion, greatly minimize field scratch and wet stack storage complaints and handling, transporting and storage-related claims.

## COMMERCIAL USES

The Koolnar™ system can be formulated in standard and medium, as well as low gloss/low sheen finishes and supplied in limited colors. This premium coating supports an extended warranty and can be applied to a variety of adequately cleaned and treated metal substrates including: Hot Dipped Galvanized, ZnAl, Galfan®, ZAM®, Aluminum and Stainless Steels. Koolnar™ is formulated with IR Reflective COOL ROOF ceramic pigment technology and can be designed to meet and exceed U.S. Energy Star® requirements. It is most ideal for high-end, construction-related products like composite panels, high UV exposure roofing and acidic/alkaline corrosive environments like industrial manufacturing facilities and power plants.

## KOOLNAR™ COIL COATING SYSTEM

APPLICATION		
Specifications	Test	Result
Application Method	N/A	Reverse Roll Coat
Substrate	N/A	Aluminum, HDG, Galvalume®, Galfan®, ZAM®
Pretreatment	Standard Clean and Treat	Chrome or Approved Non-Chrome
ASTM D 4138	Dry Film Thickness	<b>Top Coat:</b> 0.7 to 0.8 mils <b>Primer:</b> 0.2 to 0.3 mils <b>Total System:</b> 0.9 to 1.1 mils
ASTM D 4212	Viscosity (No. 2 Zahn Cup)	25 to 45 seconds
ASTM D 1475	Weight Per Gallon	9.0 to 12.0 lbs Per Gallon
ASTM D 2697	Solids Per Volume	35 to 42%
ASTM D 2369	Solids Per Weight	45 to 65%
Reducing Thinner	Reducing Solvent	Isophorone/DBE
ASTM D 3960	VOC (Theoretical)	4.0 to 4.8 lbs Per Gallon
Clean-up Solvent	N/A	Aromatic/Ketone
Peak Metal Temperature	N/A	465 to 485 F

TECHNICAL DATA		
Specifications	Test	Result
ASTM D 523	Specular Gloss at 60	6 to 35
ASTM D 3363	Pencil Hardness	F to 2H
ASTM D 4145	T-Bend	1T to 4T with No Loss of Adhesion
ASTM D 3359	Cross Hatch Adhesion	No Loss of Adhesion
ASTM D 2794	Reverse Impact	<b>Galvalume or HDG:</b> 3x Metal Thickness Inch-Lbs, No Loss of Adhesion · <b>Aluminum:</b> 1.5x Metal Thickness Inch-Lbs, No Loss of Adhesion
ASTM D2247	Humidity Resistance 1,000 hrs Humidity Resistance 3,000 hrs	<b>Galvalume or HDG:</b> Creep from Scribe < 1/8 in. (3 mm), No Field Blistering · <b>Aluminum:</b> Creep from Scribe < Creep from Scribe < 1/8 in. (3 mm), No Field Blistering
ASTM B 117	Salt Spray Resistance 1,000 hrs Salt Spray Resistance 3,000 hrs	<b>Galvalume or HDG:</b> No Blistering · <b>Aluminum:</b> No Blistering
ASTM D 2244 ASTM D 4214	South Florida Exposure	<b>Color:</b> No More than 5 Hunter (E) Units <b>Chalk:</b> Rating No Less than 8
ASTM D 870	Water Immersion 100 F 500 hrs	No Field Blisters with Minimal Color Change
ASTM D 1308	Chemical Resistance (15 mins)	No Significant Color Change
ASTM E 84	Flame Spread Classification	Class I or A
ASTM D 968	Abrasion Resistance	Total Sand = 65 +/- 5 liters (Dft Dependent)

## SYSTEM OVERVIEW

The Supra HD SMP coil coating system is manufactured and distributed globally by Continental Coatings Inc. and Yung Chi Paint and Varnish Manufacturing Company Ltd. is a silicone-modified polyester high-durability coil coating system engineered for high-end metal building product applications and challenging exterior environments that require long life and extended warranty coverage. Supra HD system is formulated with a proprietary state-of-the-art polyester resin and silicone polymer system, which is significantly more resistant to UV-radiation and natural weathering than traditional polyester paints. Supra HD uses high-quality, long-lasting organic, ceramic and metallic pigmentation to ensure excellent exterior color fastness and coating service life. This system is also available in multiple coats and various specialty high-build systems for custom projects and perforated applications. Supra HD may be applied Single Coat or over the Universal PU-11 High Molecular Weight Urethane Primer or PU-30 High-Build Urethane Primer Systems for extreme environment warranted building product applications.

## APPLICATION PARAMETERS

Supra HD system is designed for trouble-free, high-line speed coil coating line application and has been run worldwide under a very wide range of application parameters and substrate conditions. Standard topcoat DFT is .60-.80 mils, which allows for optimal application consistency, color stability and exterior performance. Supra HD was formulated to provide improved stain resistance and cleanability, as well as scratch resistance and surface toughness, while maintaining the good system flexibility required for long-term bend line corrosion performance. Supra HD paint film is extra tough and can handle difficult roll-forming, panel stacking and transport conditions. Superior primer corrosion resistance and substrate adhesion provide significantly enhanced protection against wet stack storage problems, cut edge and scratch corrosion.

## COMMERCIAL USES

Supra HD system can be formulated in standard, medium, textured and low gloss/low sheen finishes and supplied in a wide range but with limited color palettes. This premium coating supports an extended warranty and can be applied to a variety of adequately cleaned and treated metal substrates including: Hot Dipped Galvanized, ZnAl, Galfan®, ZAM® and Aluminum. Supra HD can be formulated with COOL ROOF ceramic pigment technology and can be formulated to exceed U.S. Energy Star® requirements. It is ideal for metal wall panels, industrial and agricultural metal building components, premium rainware, commercial and residential metal roofing and pre-engineered metal building system applications.

## SUPRA HD PREMIUM HIGH DURABILITY COIL COATING SYSTEM - SILICONE MODIFIED POLYESTER

APPLICATION		
Specifications	Test	Result
Application Method	N/A	Reverse Roll Coat
Primer	N/A	Single Coat, PU11 HMW PU, PU30 High-Build PU
Substrate	N/A	Aluminum, HDG, Galvalume®, ZAM®
Pretreatment	Standard Clean and Treat	Chrome, Zinc Phosphate, or Approved Non-Chrome
ASTM D 4138	Dry Film Thickness	<b>Top Coat:</b> 0.6 to 0.8 mils • <b>Primer:</b> 0.15 to 0.3 mils <b>Total System:</b> 0.60 to 1.10 mils
ASTM D 4212	Viscosity (No. 4 Zahn Cup)	25 to 35 seconds
ASTM D 1475	Weight Per Gallon	9.0 to 12.0 lbs Per Gallon
ASTM D 2697	Solids Per Volume	50 to 55%
ASTM D 2369	Solids Per Weight	60 to 75%
Reducing Thinner	Reducing Solvent	Aromatic
ASTM D 3960	VOC (Theoretical)	3.0 to 4.0 lbs Per Gallon
Clean-up Solvent	N/A	Aromatic/Ketone
Coating Mileage	N/A	1069 to 1176 sq ft Per Gallon
Peak Metal Temperature	N/A	435 F to 450 F

TECHNICAL DATA		
Specifications	Test	Result
ASTM D 523	Specular Gloss at 60	6 to 85
ASTM D 3363	Pencil Hardness	H TO 3H
ASTM D 4145	T-Bend	0T to 2T with No Loss of Adhesion
ASTM D 5402	Solvent Resistance (MEK Rubs)	100 +
ASTM D 3359	Cross Hatch Adhesion	No Loss of Adhesion
ASTM D 2794	Reverse Impact	<b>Galvalume or HDG:</b> 3x Metal Thickness Inch-Lbs, No Loss of Adhesion • <b>Aluminum:</b> 1.5x Metal Thickness Inch-Lbs, No Loss of Adhesion
ASTM B 117	Salt Spray Resistance 1,000 hrs Salt Spray Resistance 2,000 hrs	<b>Galvalume or HDG:</b> Creep from Scribe < 1/8 in. (3 mm), None or Few #8 Blisters • <b>Aluminum:</b> Creep from Scribe < Creep from Scribe < 1/8 in. (3 mm), Few #8 Blisters
ASTM D 2244 ASTM D 4214	South Florida Exposure	<b>Color:</b> No More than 5 (E) Hunter Units at 90 Vertical Angle and 7 (E) Units Non-Vertical • <b>Chalk:</b> Rating No Less than 8 at 90 Angle and 6 at Non-Vertical Angle • <b>Film Integrity:</b> 25 Years, No Blisters, Peeling or Cracking
ASTM D 870	Water Immersion 100 F 168 hrs	No Field Blisters with Minimal Color Change
ASTM D 1308	Chemical Resistance (15 mins)	No Significant Color Change (Color Dependent)
ASTM E 84	Flame Spread Classification	Class I or A
ASTM D 968	Abrasion Resistance	Total Sand = 35 +/- 5 liters (Dft Dependent)



**EMCO STEEL SIDING WITH  
KYNAR 500®/HYLAR 5000® PVDF**

**877-673-3626 • EMCOBUILDINGPRODUCTS.COM  
customer.service@emcobuildingproducts.com**

Products Made with a Minimum 75% Renewable Steel & Aluminum

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