



CMP S-2500



Ultra Seam
Metal Roofing Systems

Mechanically Seamed Panels

Construction Metal Products, Inc.

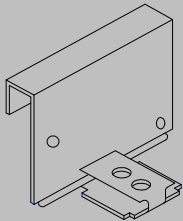
Manufactured by

CMP

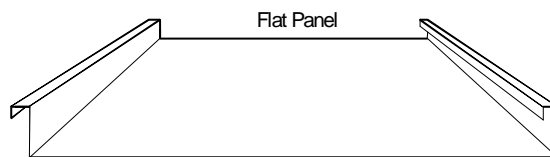
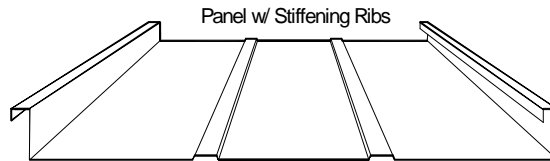
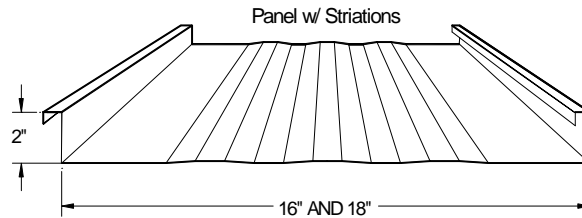
Construction Metal
Products, Inc.

2204 West Front St.
Statesville, NC 28677
Phone: 888-750-9827
Fax: 704-871-1381

- Standing Seam metal roofing system
- Galvanized, Galvalume, Aluminum, and Copper
- Available 12", 14", 16", and 18"
- UL90 rated, UL Class A external fire exposure, UL Class IV impact resistance, and ASTM E-1592 wind up-lift tested
- ASTM E1680 air infiltration and ASTM E1646 water penetration tested
- Kynar 500 Finish with a thirty year finish warranty
- Optional stiffening ribs and striations (to minimize oil canning)



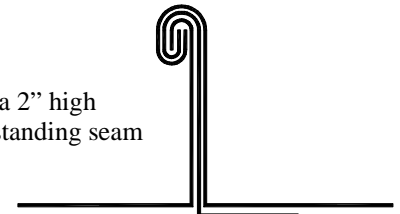
Panel Clip



Seamer



Available clip offset



Available as a 2" high
double lock standing seam



For more information visit our website: www.cmpmetalsystems.com

CMP S-2500 STANDING SEAM SYSTEM LOK

The CMP S-2500 standing seam system utilizes state of the art technology for roof integrity and positive weather-tightness. The CMP S-2500 panel has been extensively tested in both steel and aluminum, and meets the stringent requirements of the “Standard Test Method for Structural Performance of SSMRS by Uniform Static Air Pressure Difference,” which has been adopted as ASTM E-1592. Seams require machine closing, by either hand or a power seamer. The seaming process completely encloses and seals all clips and fasteners for the most watertight seal available. The S-2500 standing seam system is especially suitable when roof slopes are long (up to 50’-0” delivered or continuous when ran onsite) and/or low sloped to a 1/2:12 pitch. Available in various gauges of galvanized, galvalume, zincalume, aluminum and copper. Regardless of which material is selected, the optional striations are highly recommended in order to reduce the slight surface waviness of the metal known as “oil-canning”. NOTE: “oil-canning” is a natural phenomenon inherent in sheet metal products and therefore is not cause for rejection of the material.

Allowable Uniform Live Load (psf)									
Material	Gauge	Panel width	Span Length						
			24”	30”	36”	42”	48”	54”	60”
Steel Grade D (ASTM A653)	22	12”	909	595	418	309	238	188	152
	22	16”	682	446	313	232	178	141	114
	22	18”	606	396	278	206	158	125	101
Steel Grade D ASTM A653	24	12”	596	461	326	242	186	148	120
	24	16”	446	355	251	186	144	114	92
	24	18”	397	307	217	161	124	98	80
Aluminum Alloy 3004 H34	.040	12”	286	183	127	93	71	56	45
	.040	16”	175	112	78	57	43	34	27
Aluminum Alloy 3004 H34	.032	12”	202	129	90	66	50	40	32
	.032	16”	133	85	59	43	33	26	21

Tables Provided for General Reference Only. Loads are based on engineering calculations of the panel only. Allowable uniform load values based on three-span conditions. For system requirements or design assistance, please contact Construction Metal Products, Inc.

CMP

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2204 West Front Street • Statesville, NC 28677
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Fluoropon® SR Colors

35 YEAR
FINISH
WARRANTY



Standard Cool Colors



Terra Cotta



Aged Copper



Snowdrift White



Almond



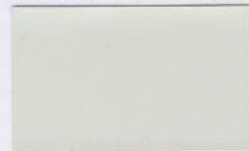
Sierra Tan



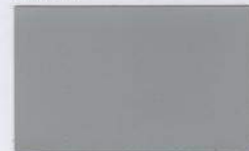
Colonial Red



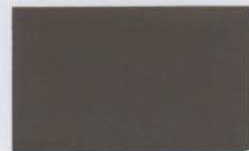
Patina Green



Bone White



Dove Gray



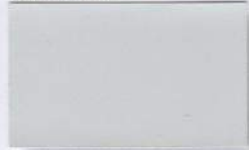
Medium Bronze



Regal Red



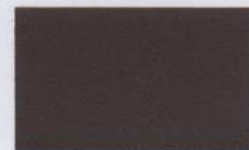
Seaport



Stone White



Slate Gray



Mansard Brown



Burgundy



Hartford Green



Slate Blue



Charcoal Gray



Dark Bronze



Matte Black



Classic Green



Regal Blue



Teal

Metallic Colors



Silver*



Copper Penny*



Champagne*



Pre-Weathered Galvalume*

Valspar
Fluoropon® SR



*Slight price upcharge may apply for metallic colors.

•Colors shown are matched as accurately as possible, but may vary slightly from finished product.

Test Performance

TEST	ASTM TEST	PERFORMANCE
Physical Properties and Durability		
Film Thickness	D-1005	0.15 - 0.30 mil primer 0.7 - 0.9 mil topcoat
60° Specular Gloss	D-523	25 - 35
IR Reflectivity	C-1549 (Standard test method using portable Reflectometer)	0.25 (25%) minimum
Emissivity	C-1371 E-408	0.80 (80%) minimum
Pencil Hardness	D-3363	HB - H
Flexibility, T-Bend	D-4145	1 - T aluminum 2 - T coated steel*
Adhesion	D-3359	No adhesion loss
Reverse Impact	D-2794	No cracking or loss of adhesion
Abrasion, Falling Sand	D-968	65 - 85 l/mil
Mortar Resistance	C-267	No effect
Detergent Resistance 3% Detergent, 100°F (72 hrs.)	D-2248	No effect
Atmospheric and Pollutant Resistance		
Acid Pollutants	D-1308 10% Muriatic Acid, (15 min.) 20% Muriatic Acid, (15 min.) AAMA 621	No effect No effect < 5 units color change
Acid Rain Test	Kesternich	10 cycles minimum, no objectionable color change
Alkali Resistance 5% @ (72 hrs.)	20% Sodium Hydroxide (1 hr.)	No effect
Salt Spray Resistance 5% @ 95°F	B-117	Passes 3,000 hrs. - aluminum Passes 1,000 hrs. - coated steel*
Humidity Resistance 100% @ 100°F	D-2247	Passes 3,000 hrs. - aluminum Passes 1,000 hrs. - coated steel*
Weathering		
South Florida exposure	D-2244	Less than 5 units color change at 10 yrs.
UVA (340 Bulbs)	G-154	Passes, 3,000 hrs.
Chalk Resistance	D-4214	Rating of 8 min.

Based on a minimum of 70% PVDF resin technology.

Kynar 500® is a registered trademark of Arkema, Inc. and Hylar 5000® is a registered trademark of Solvay Solexis, Inc.

*All tests performed to the latest ASTM revision.

*Performance on G-90, Zinalume, Galvalume, and other approved zinc/aluminum coated steel.

Reflectance values measured using a D&S Solar Reflectometer, values may vary between instruments and method. The test results set forth are representative of the results obtained by Valspar. Your results may differ. Warranties of the product are exclusively as set forth in the applicable contract documents.

Fluropon® is a registered trademark of the Valspar Corporation.



Valspar
Fluropon® SR



Construction Metal Products, Inc.

2204 West Front Street • Statesville, NC 28677
704-871-8704 or 888-750-9827

CMP 24 GAUGE ENERGY STAR INFORMATION

Colors	Solar Reflectance		Thermal Emissivity		SRI	Slope Application
	init	3 yr	init			
Matte Black	0.25	0.27	0.85		23	Steep
Stone White	0.60	0.56	0.86		71	Steep
Bone White	0.71	0.71	0.85		86	Low/Steep
Slate Blue	0.35	0.35	0.85		37	Steep
Colonial Red	0.33	0.29	0.85		34	Steep
Dark Bronze	0.26	0.25	0.84		24	Steep
Classic Green	0.27	0.26	0.86		26	Steep
Medium Bronze	0.30	0.28	0.87		31	Steep
Dove Gray	0.47	0.35	0.86		53	Steep
Almond	0.57	0.56	0.86		67	Steep
Snowdrift White	0.62	0.61	0.84		73	Steep
Slate Gray	0.36	0.33	0.84		37	Steep
Mansard Brown	0.33	0.33	0.85		34	Steep
Aged Copper	0.43	0.43	0.84		48	Steep
Patina Green	0.46	0.32	0.85		51	Steep
Terra Cotta	0.41	0.41	0.85		46	Steep
Sierra Tan	0.38	0.38	0.86		41	Steep
Charcoal Gray	0.29	0.28	0.84		28	Steep
Pacific Blue	0.27	0.27	0.85		27	Steep
Regal Blue	0.25	0.25	0.83	N/A		Steep
Teal	0.27	0.27	0.84		26	Steep
Regal Red	0.42	0.41	0.84		45	Steep
Hartford Green	0.27	0.26	0.85		26	Steep
Burgundy	0.29	0.29	0.83		28	Steep
Seaport	0.29	0.29	0.83		28	Steep
Silver*	0.50	0.50	0.85		57	Steep
Champagne*	0.42	0.42	0.89		48	Steep
Copper Penny*	0.46	0.46	0.84		51	Steep
Pre-Weathered Galvalume*	0.30	0.28	0.79		27	Steep
Acrylic Galvalume	0.68	0.58	0.06		55	Low/Steep

N/A = Not available at this time.

init = Initial value upon installation ; 3 yr = Value at 3 years post installation

*** = Metallic color SRI= Solar Reflectance Index**

-Solar Reflectance is the measure of how efficient material can reflect solar energy or sunlight from its surface. Values are ordered 0 to 1.0. A value of 0 means that the surface absorbs all solar energy or sunlight and a value of 1.0 means total reflectance. ENERGY STAR requires an initial SR value of ≥ 0.25 for steep slope roofing ($>2:12$). For a color to qualify for a low slope application ($\leq 2:12$), its initial SR value must be ≥ 0.65 and after 3 yrs must be ≥ 0.50 .

-Thermal Emissivity is a measure of the thermal emittance of a surface. Emissivity is defined as the ratio of radiant heat flux emitted by a material to that emitted by a blackbody radiator at the same temperature. Emissivity values range between 0 and 1. Emissivity may be thought of as the ability of a material to emit heat (via infrared radiation) to the surrounding atmosphere. Higher numbers indicate faster heat transfer.

-The purpose of an SRI is to determine the compliance of LEED requirements. This number is computed in accordance to ASTM E 1980 using values for reflectance and emissivity. To meet the requirements of LEED, a roofing material needs to have an SRI at 29 or greater for steep slope roofing applications and an SRI value at 78 or higher for low slope roofing.

For more information visit www.energystar.gov and www.usgbc.org.

CONSTRUCTION METAL PRODUCTS INC.



Construction Metal Products Inc. has been in the metal business since 1994. Our manufacturing facilities are located in Statesville, NC & Charleston, SC. CMP was established to service the growing metal roofing demand in the Carolinas and Virginia, where 90% of our business is done.

Some Notable Projects Done in the Last 5 Years Include:

Healthcare Partners of SC
Contractor: Highland Roofing Company
Architect: Pike-McFarland-Hall Associates Inc.
Job Size: 22,500 square feet

Fort Mill Elementary School #8
Contractor: Eastern Corporation
Architect: AAG Associates
Job Size: 69,475 square feet

Rowan County Satellite Jail
Contractor: Creasy & Whiteed Roofing Co. Inc.
Architect: Moseley Architects
Job Size: 30,755 square feet

Fort Jackson BTC Dining Facility
Contractor: TeamCraft Roofing
Architect: Woolpert-KZF as a joint venture
Job Size: 32,625 square feet

Kannapolis Veterans Park
Contractor: Waynco Roofing LLC
Architect: Site Solutions
Job Size: 1,155 square feet

Lumbee Tribe of North Carolina
Contractor: Baker Roofing
Architect: Native American Design Service
Job Size: 25,600 square feet

Gates County Public Library
Contractor: Edwards Roofing
Architect: LS3P Associates LTD.
Job Size: 9,778 square feet

Ellenboro Elem. School-Ellenboro, NC
Contractor: Commercial Roofing Maintenance
Architect: LS3P/Boney-(919)851-9393
Job Size: 92,000 sq. ft. Series 2500

Current Jobs in Progress:

New PreK-8th School
Contractor: Eastern Corporation
Architect: Hite Associates
Job Size: 179,000 square feet

Philip Simmons Elem-Middle School
Contractor: Achelpohl Roofing and S/M
Architect: LS3P Associates LTD.
Job Size: 201,500 square feet

Our panel profiles are UL listed for Class 90, Class A Fire Exposure and Class 4 Impact Resistance. We also have ASTM Testing for wind uplift, Air and Water Penetration Testing. We are constantly testing new widths, gauges and profiles to better serve our customers. All of our steel used in manufacturing metal panels has been mill certified and is first quality.

Thank you for considering Construction Metal Products as your metal roofing supplier, If we can help in any way please call or visit our plant.

Thank You,

Jason Bean
Construction Metal Products, Inc.

CMP**CONSTRUCTION METAL PRODUCTS, INC.
TWENTY YEAR WEATHERTIGHTNESS WARRANTY**

Manufacturer: Construction Metal Products, Inc.
Address: 2204 West Front Street
 Statesville, NC 28677
Telephone: (704) 871-8704

Installation Contractor:
Address:

Telephone:

Owner:
Building Location:

Architect:
Address:

Telephone:

General Contractor:
Address:

Telephone:

Area of metal roof:

Type of products approved and applied:

Contract price:

WARRANTY PROVISIONS FOR MATERIALS AND WORKMANSHIP

Construction Metal Products, Inc., a North Carolina Corporation (hereinafter "CMP"), and the Installation Contractor identified above, hereby warrant to the Owner listed above that for a period of twenty (20) years from the date of substantial completion of the Roofing System applied to the above described Building, should leaks develop in the Roofing System due solely to manufacturing defects, ordinary wear and tear by the elements or workmanship on the part of the Installation contractor, then subject to each and every term, condition and limitation contained herein, they shall be responsible for completing such repairs to the Roofing System as are necessary to return it to watertight condition. Notwithstanding anything contained herein to the contrary, during the first two years of the Warranty, CMP shall only be responsible for water leaks caused by defects in material. The Installation Contractor shall be solely responsible for any and all costs to correct any roof water leak caused by defective workmanship or installation for the first two years after substantial completion. For the next three years of this warranty, CMP will correct water leaks caused by defective material and will be jointly responsible with the Installation Contractor to correct leaks caused by defective workmanship.

EXCLUSIONS

The Limited Warranty shall apply only to Roofing Systems installed in areas of normal atmospheric exposure and specifically does not cover leaks caused, in whole or in part, by one of the following:

1. Marine (salt water) atmosphere or regular spray of either salt or fresh water.
2. Heavy fallout or exposure to corrosive chemicals, ash or fumes from any chemical plant, foundry, plating works, kiln, fertilizer manufacturing plant, paper or the like.
3. Any corrosive substance or condensate of any harmful substance contained, generated or released from inside the building or condensation from the underside of the roof.
4. Worker traffic on the roof, other than traffic during the course of installation.
5. Hail, fire, lightning, hurricane, tornado, earthquakes or any unusual acts of God.
6. Alterations, such as, but not limited to, structures, fixtures, or utilities being placed upon or attached to the roof without prior written authorization from CMP or repairs performed or materials furnished by entities other than CMP or the Installation Contractor.
7. Failure by the Owner or any lessee or other occupant or user of the Building to take reasonable care in maintaining the roof, such as cleaning the gutters, valleys, etc. so as to allow water to run off uninterruptedly.
8. Faulty building design or construction.
9. Birds, vermin, rodents, insects or animals or pests.
10. Settlement, failure or cracking of the roof deck, walls or foundation of the building, or defects or failures of coping gravelstop due to cracking of walls or any part of the building structure.

11. CMP shall have no liability or responsibility under or in connection with the Warranty if the Installation Contractor failed to use all roof curbs, roofjacks, sealants, mastics, sub-framing, roof panels, clips, and flashings provided by CMP or approved by CMP, nor shall CMP have any liability or responsibility in connection with this Warranty if the Installation Contractor failed to follow CMP's standard recommended installation instructions for the layout, design and erection of the Roofing System, or the Roofing System is constructed in such a manner as not to permit drainage of water from all surfaces and permit standing or ponding water.
12. Any other cause beyond the control of CMP and the Installation Contractor.

THE WARRANTY CONTAINED HEREIN EXCLUDES ANY AND ALL OTHER WARRANTIES, EXPRESSED OR IMPLIED, INCLUDING ANY IMPLIED WARRANTY OR MERCHANTABILITY AND FITNESS FOR ANY PARTICULAR PURPOSE. THERE ARE NO WARRANTIES WITH EXTEND BEYOND THOSE EXPRESSLY PROVIDED IN THIS WARRANTY. CMP AND THE INSTALLATION CONTRACTOR SHALL NOT BE LIABLE TO THE OWNER FOR ANY CLAIM BASED UPON STRICT LIABILITY, NEGLIGENCE, BREACH OR WARRANTY, TORT OR OTHER THEORY OR CAUSE OR ACTION, NOR SHALL THEY BE LIABLE FOR INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES HOWEVER ARISING OR BE RESPONSIBLE FOR ANY CONSIQUENTIAL DAMAGES OR LOSS TO THE BUILDING, ITS CONTENTS OR OCCUPANTS.

NOTICE OF CLAIMS AND GENERAL PROVISIONS

All claims hereunder must be submitted in writing to CMP within the Warranty period and within thirty (30) days of the discovery of any leak in the Roofing System. Failure of the Owner to do so shall relieve CMP and the Installation Contractor of any and all responsibility and/or liability under the terms hereof. If, after inspection by CMP, it is determined that the leak is caused by defects in the Roofing System's material or workmanship in accordance with this Warranty, the Roofing System shall be repaired in accordance herewith. Such work shall be completed within a reasonable period of time after notice to CMP of the weathertightness or watertightness failure. The Owner's exclusive remedy and CMP's and the Installation Contractor's liability shall be limited to repair of the Roofing System and their liability for the cost of said repairs shall not exceed the dollar amount paid by the owner for the Roofing System, including the cost of installation. All notices given under or pursuant to this Warranty shall be in writing and sent by certified mail, return receipt requested, to CMP and the Installation Contractor to the following addresses:

**Warranty Department
Construction Metal Products, Inc.
2204 West Front Street
Statesville, NC 28677**

During the term of this Warranty, CMP and the Installation Contractor, their sales representatives and employees, shall have free access to the roofing during regular business hours upon reasonable notice to the Building Owner.

This document constitutes the entire Warranty made by CMP and the Installation Contractor. No modification or amendment of this Warranty shall be binding on CMP or the Installation contractor unless made in writing and signed by their authorized representatives. The terms, conditions and provision contained in this Warranty may be waived only in writing signed by CMP. No oral statements, course of conduct or course of dealing shall be deemed or constitute a waiver. The invalidity or unenforceability of any provisions of this Warranty shall not affect the enforceability and validity of any remaining provisions, and this Warranty shall be construed in all respects as if the invalid or unenforceable provisions were omitted.

This Warranty shall be governed by and construed in accordance with the laws of the State of North Carolina.

This Warranty is tendered for the sole benefit of the Owner as named above and is not transferable or assignable.

Neither CMP, nor the Installation Contractor, shall have any obligation under this Warranty unless all invoices for installation and materials have been paid in full by or on behalf of the Building Owner.

EXECUTED AS OF THIS ____ DAY OF ____ 20__.

ATTEST:

MANUFACTURER

Construction Metal Products, Inc.
2204 West Front Street, Statesville, NC 28677

BY: _____
TITLE: _____

ATTEST:

INSTALLATION CONTRACTOR

BY: _____
TITLE: _____

ATTEST:

OWNER

BY: _____
TITLE: _____

