

Flat Sheet



AEP SPAN IS YOUR SINGLE SOURCE FLAT SHEET VENDOR

SAVING YOU TIME IS OUR TOP PRIORITY.

AEP Span offers a flat sheet service in a wide range of colors and paint systems, as well as ZINCALUME® Plus (50% Al-Zn).

Painted Flat Sheet Available In:

48³/₈" x 10' and 46" x 10'

- Dura Tech™ 5000/mx (PVDF colors) and ZINCALUME® Plus in 22ga and 24ga
- Dura Tech™ nt (SMP colors) in 26ga
- Vintage® in 24ga
- Pre-Prime 2 sides in 24ga (48³/₈" x 10' standard). Only available out of the Tacoma, WA facility.
- ZINCALUME® Plus in 20ga (46" x 10' only)

Aluminum Flat Sheet Available In:

48" x 10'

- .040" and .032" aluminum

.040" stocked in Matte Black and Regal White only. Material is painted on both sides. One side is Matte Black and the other is Regal White.

DURA TECH™ 5000 COLORS AVAILABLE IN 24 & 22 GAUGE

ZINCALUME® Plus	Coo/ REGAL WHITE	Coo/ PARCHMENT	Coo/ SIERRA TAN	Coo/ PEBBLE
Coo/ WALNUT	Coo/ WEATHERED COPPER	Coo/ DARK BRONZE	Coo/ TERRA-COTTA	Coo/ COLONIAL RED
Coo/ OLD TOWN GRAY	Coo/ ZINC GRAY	Coo/ SLATE GRAY	Coo/ MIDNIGHT BRONZE	Coo/ MATTE BLACK
Coo/ TAHOE BLUE	Coo/ REGAL BLUE	Coo/ SAGE GREEN	Coo/ LEAF GREEN	Coo/ FOREST GREEN

DURA TECH™ MX COLORS AVAILABLE IN 24 & 22 GAUGE

Coo/ METALLIC SILVER	Coo/ SILVERSMITH	Coo/ ZACTique® II	Coo/ METALLIC CHAMPAGNE	Coo/ METALLIC COPPER

DURA TECH™ NT COLORS ARE AVAILABLE IN 26 GAUGE

ZINCALUME® Plus	SURF WHITE	DESERT BEIGE	CHESTNUT BROWN	VINTAGE® (24GA) (Subject to Upcharge)
RUSTIC RED	OLD TOWN GRAY	TAHOE BLUE	DENALI GREEN	PRE-PRIMER (24GA)
WEATHERED COPPER	WINTER WHITE	LIGHT STONE		

Not all colors stocked in all locations, please contact your AEP Span Representative.
For additional coating information and coating performance data, please refer to the AEP Architectural Color Chart #CC046

Nominal Gauge	Base Material Thickness (in)	Material and Finish Specifications	Yield (ksi)	Tensile (ksi)	Weight (lbs/sq-ft)
STEEL					
26ga	.0173	ASTM A792 (50% Al-Zn)	80	82	.71
24ga	.0232	ASTM A792 (50% Al-Zn)	50	65	.95
22ga	.0294	ASTM A792 (50% Al-Zn)	50	65	1.20
20ga ¹	.0354	ASTM A792 (50% Al-Zn)	40	55	1.45
ALUMINUM					
.040"	.040	3003-H14, 3105-H26, or 3105-H24 per ASTM B209	17*	20*	.57
.032"	.032	3003-H14, 3105-H26, or 3105-H24 per ASTM B209	17*	20*	.46

* - based on 3003-H14 alloy.

STORAGE AND HANDLING

Store flat sheet in a dry, well ventilated area away from traffic. Do not allow water or moisture to accumulate on the stored flat sheet. If flat sheet bundle becomes wet, immediately separate sheets, wipe dry with clean cloth, and keep sheets separate for air-drying. Be sure air will be able to circulate freely around the bundles to avoid the build-up of moisture. Never store materials in direct contact with the ground.

PROTECTIVE FILM

Remove protective film prior to installation. Do not allow film to remain on flat sheet in extreme wet, heat, cold, or direct sunlight. Protective film may become extremely difficult to remove.

DISSIMILAR METALS OR MATERIALS:

Where flat sheet may come in contact with dissimilar metals or treated lumber, fabricate transition to facilitate drainage and minimize possibility of galvanic action. Galvanic action can cause panels and trim to fail prematurely. At points of contact with dissimilar metal or treated lumber, coat panel and trim with protective paint or separate materials with a weatherproof underlayment. Direct contact or run-off from CCA, ACQ, CA, or other treated lumber (outdoor wood) or fire retardant impregnated or treated wood shakes or siding can cause flat sheet products to fail prematurely. Avoid contact with these materials.

OIL CANNING

Flat metal surfaces often display waviness commonly referred to as 'oil canning'. This can be caused by variations in raw material, processing variations, product handling, or variations in the installation substrate. Oil canning is a characteristic, not a defect, of panels manufactured from light-gauge metal. To reduce potential for oil canning, substrates should not deviate from a flat plane more than 1/4 inch in 20 feet, or 1/8 inch in 5 feet. Oil canning is not a cause for panel rejection. Additional technical information is available upon request.

CUTTING/FORMING:

Cut flat sheet with shearing action cutters. Torch or abrasive saw cutting is discouraged; exposed bare steel on cut edges are much more likely to rust. Abrasive or high-heat cutting is more likely to compromise edge of painted surfaces.

SAFETY:

Use proper safety equipment and clothing when working with sheet metal in order to minimize the potential for cuts, abrasions, and other injuries.

REFERENCES:

The Sheet Metal and Air Conditioning Contractors' National Association Inc. (SMACNA) manual is an excellent reference for sheet metal contractors. Its guidelines for underlayments, gutter and downspout size requirements, and expansion/contraction of metals and flashing joints should be followed.

TECHNICAL ASSISTANCE:

Contact your AEP Span Sales Representative for additional information.