

ACRYLUME® Steel Sheet & Coil



Fortified Metals
1420 Markum Ranch Rd
Fort Worth, TX 76126
(888) 3-FORTIFIED
www.fortifiedmetals.com

TECHNICAL INFORMATION SHEET

MATERIAL THICKNESS: 22, 24, and 26 Gauge

DESCRIPTION

Fortified Metals ACRYLUME® steel sheet is a coated sheet product that combines the excellent corrosion resistance of GALVALUME® steel sheet with a clear organic resin surface treatment that is applied over the GALVALUME® coating. The surface treatment is essentially invisible, but it provides excellent characteristics to enhance the performance and applicability of GALVALUME® steel sheet. Fortified Metals ACRYLUME® Steel Architectural Sheet & Coil can be used in all your building envelope needs.

APPLICATION METHODS

- Install in accordance with recognized sheet metal practices.
- Fortified Metals sheets can be cut, formed, and fastened using conventional hand or power tools.
- Fabrication and erection can be accomplished with strippable plastic film in place. Film should be removed from areas of concealed or joined pieces.

STORAGE

- Fortified Metals metal sheet and coil should be stored in a well ventilated, dry place where no moisture can contact them. Moisture (from rain, snow, condensation, etc.) trapped between layers of material may cause water stains or white rust, which can affect the service life of the material and will detract from its appearance.
- If outdoor storage cannot be avoided, protect the sheet and coil with a ventilated canvas or waterproof paper cover. Do not use plastic, which can cause condensation. Keep the material off the ground in an inclined position with an insulator such as wood.
- Maximum 2,000 lbs. of sheets per pallet.
- Maximum 3,000 lbs. of slit coil per pallet.

PREVENTIVE MEASURES

- Protective film may degrade or become brittle with exposure to direct sunlight. Therefore, it must be removed immediately.
- Care must be exercised during fabrication and erection to avoid surface damage.
- Avoid dragging sheets over surfaces which may scratch or mar the finish.
- The performance of this material in the field depends substantially on the integrity of the zinc-aluminum coating being intact. Therefore, this product should not be used in areas of high abrasion or where it is subject to mechanical damage.
- Fortified Metals recommends a minimum bend radius of 3T. Anything less than a 3T bend radius can cause crazing to the material.
- Tools must be clean and properly dressed.
- Do not cut with power saws or abrasive blades.

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PRODUCT PROPERTIES	
Property	Value
Base Metal	AZ55 – Hot dipped Galvalume® (55% Aluminum and 43+% zinc) steel sheet, commercial weight, meeting ASTM A792/A792M
Minimum Yield	50 KSI
Coefficient of Thermal: Expansion Modules of Elasticity Specification	06.7×10^{-6} in/in/ °F (13.9 m/m.K $\times 10^{-6}$) 29.0×10^6 x KSI (200 GPa) ASTM E111-04

PRODUCT INFORMATION			
Property	Value		
Finish	Clear organic polymer surface treatment		
Wash Coat	50 KSI		
Gauge:	Weight	Slit Coil Size	Sheet Dimension
22 ga.	1.183 lbs./ft ² , 4.89 kg/M ²	4.00" (0.1 m) - 48"(1.2 m)	48" (1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)
24 ga.	1.000 lbs./ft ² , 4.89 kg/M ²	4.00" (0.1 m) - 48"(1.2 m)	48" (1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)
26 ga.	0.765 lbs./ft ² , 4.89 kg/M ²	4.00" (0.1 m) - 48"(1.2 m)	48" (1.2 m) x 96" (2.4 m), 120" (3.1 m) & 144" (3.7 m)

LEED® INFORMATION:

Pre-Consumer Recycled Content: 6%
Post-Consumer Recycled Content: 80%
Kynar 500/Hylar 5000 Paint Finish: AAMA 621
Manufacturing Location: Fort Worth, TX

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