



## TECHNICAL INFORMATION SHEET

### Uneke™ Aluminum Sheet & Coil

**Item Description:** 0.032" (.81 mm), 0.040" (1mm), 0.050" (1.3 mm), and 0.063" (1.6 mm) gauge

### Product Information

#### Description:

Uneke Aluminum Architectural Sheet & Coil is aluminum sheet conforming to ASTM B209 standards. An optional strippable protection film is applied for protection during fabrication and installation. Uneke Aluminum Architectural Sheet & Coil is for general sheet metal use in building applications.

#### Method of Application:

1. Install in accordance with recognized sheet metal practices.
2. Uneke sheets can be cut, formed, and fastened using conventional hand or power tools.
3. For best results cutting tool edges should be kept sharp, clean, properly dressed, and closely aligned.
4. Fabrication and erection can be accomplished with strippable plastic film in place. Film should be removed from areas of concealed or joined pieces.

#### Storage and Packaging:

- Uneke 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 lb of sheets per pallet.



**Precautions:**

- Protective film may degrade or become brittle with exposure to direct sunlight. Therefore, it must be removed immediately.
- Product should not be used in areas of high abrasion or where it is subject to mechanical damage.
- Product is pre-finished material; care must be exercised during fabrication and erection to avoid surface damage.
- Uneeke recommends a minimum bend radius of 2T for .032" (.81 mm) and .040" (1 mm) materials and a 3T bend radius for any material .050" (1.3 mm) or greater. Anything less than a 2T bend radius can cause crazing to the material.
- Attention should be paid to good house-keeping practices.
- Tools must be clean and properly dressed.
- Avoid dragging sheets over surfaces which may scratch or mar the finish.
- For general sheet metal use in building applications.
- Do not cut with power saws or abrasive blades

**LEED® Information**

Post-Consumer Recycled Content: 50-65%

Pre-Consumer Recycled Content: 18-38%

Manufacturing Location: Anoka, MN

*\*Note: Leed® is a registered trademark of the U.S. Green Building Council*



## Uneeke™ Aluminum Sheet & Coil

GAUGE TYPICAL PROPERTIES		
GAUGE	WEIGHT	DIMENSIONS
0.032	0.456/lb/ft <sup>2</sup> , 2.20 kg/m <sup>2</sup>	Split Coil: 4" (0.1m) – 48" (1.2m)*   Sheet: 48" (1.2m) x 96" (2.4m), 120" (3.1 m) & 144" (3.7 m)*
0.040	0.576/lb/ft <sup>2</sup> , 2.75 kg/m <sup>2</sup>	Split Coil: 4" (0.1m) – 48" (1.2m)*   Sheet: 48" (1.2m) x 96" (2.4m), 120" (3.1 m) & 144" (3.7 m)*
0.050	0.720/lb/ft <sup>2</sup> , 3.50 kg/m <sup>2</sup>	Split Coil: 4" (0.1m) – 48" (1.2m)*   Sheet: 48" (1.2m) x 96" (2.4m), 120" (3.1 m) & 144" (3.7 m)*
0.063	0.907/lb/ft <sup>2</sup> , 4.40 kg/m <sup>2</sup>	Split Coil: 4" (0.1m) – 48" (1.2m)*   Sheet: 48" (1.2m) x 96" (2.4m), 120" (3.1 m) & 144" (3.7 m)*

*Note: \*May not be available in all gauges or widths. Additional lead times may apply. Contact your Uneeke Technical Coordinator for additional information.*

BASE MATERIAL PROPERTIES	
Property	Value
Standard	ASTM B209, Aluminum Association, Standards for Specification, Sheets, and Coils
Base Metal	Aluminum 3105 H14
Minimum Yield	21 KSI (145 Mpa)
Co-efficient of Thermal Expansions	12.6 x 10 <sup>-6</sup> in/in/F° (22.2m/m Kx10 <sup>-6</sup> )
Modules of Elasticity	10.0 x 10 <sup>3</sup> x KSI (68.9 MPa)

Please contact Uneeke Customer Service at 801-692-2800 for further information.

*This sheet is meant to highlight Uneeke products and specifications and is subject to change without notice. Uneeke takes responsibility for furnishing quality materials which meet published Uneeke product specifications or other technical documents, subject to normal roof manufacturing tolerances. Neither Uneeke nor its representatives practice architecture. Uneeke offers no opinion on and expressly disclaims any responsibility for the soundness of any structure. Uneeke accepts no liability for structural failure or resultant damages. Consult a competent structural engineer prior to installation if the structural soundness or structural ability to properly support a planned installation is in question. No Uneeke representative is authorized to vary this disclaimer.*