

Category 05700

DECORATIVE METAL

January 19, 2023 Rev. 10.08.24

PART 1 – GENERAL

1.1 SUMMARY

- This Section includes Decorative Metal as shown on drawings and schedules
- Drawings and general provisions of the Contract Documents apply to work of this section.

1.2 SUBMITTALS

- Shop drawings indicating quantities, dimensions, patterns, and attachment details.
- Product literature and samples for each color and pattern as indicated.

1.3 QUALITY ASSURANCE

- Manufacturer shall have a minimum of 5 years' experience in manufacturing decorative metals for commercial use.

1.4 DELIVERY, STORAGE, AND HANDLING

- Deliver materials to the project site in manufacturer's original packaging, properly labeled for identification and installation purposes.
- Store in location to avoid damage from job-site traffic, direct sunlight, moisture, stacking or other job-site contaminants. Store in a completely supported flat position. Edge storage is not recommended.
- Handle components to avoid denting or scratching of finished surfaces.
- At no time and for no reason should the surface clear laminate be removed, as doing so will void the warranty.

1.5 PROJECT CONDITIONS

- Maintain a constant temperature range of 65°F to 85°F (18°C to 24°C), with stable relative humidity, for at least 48 hours prior to, throughout the installation period and maintained consistently thereafter.
- Installation locations must be enclosed, weatherproofed and climate controlled prior to commencing installation.
- Do not install if relative humidity is greater than 80%.

1.6 WARRANTY

- Provide manufacturer's warranty against defects in material and workmanship for a period of one (1) year.
- In the production of metal designs and laminates, some surface irregularities, as well as color and pattern variations, may occur. We strongly recommend inspecting the material before cutting or using it. If any material is found to be defective, Luminux's liability is limited to the replacement cost of that material only. No other warranties, expressed or implied, are provided.
- At no time and for no reason should the surface clear laminate be removed, as doing so will void the warranty.

1.7 GENERAL

- The user of Luminux products is responsible for determining the suitability of these products for any specific purpose and application, including establishing their own procedures for fabrication and installation. The information provided serves as a general guideline and is intended to supplement tool manufacturers'

recommendations regarding the proper use and capabilities of their equipment. While this information is believed to be reliable, no warranty, expressed or implied, is provided.

PART 2 – PRODUCTS

2.1 MANUFACTURER

LUMINUX by Jancik Arts, Inc.
2296 Henderson Mill Road NE #116,
Atlanta, GA 30345
Phone 678-428-3351
Toll Free 800-337-3526
Email: mail@jancikarts.com

2.2 METALS

- .020" thick Aluminum: Type 5052 alloy complying with ASTM B209
- CSI Form Category 05 - Metals
- Sizes: 4'x8' standard size
- CUSTOM or Collection Name
- Class A Fire Rated
- 0.3 lbs. / sf.

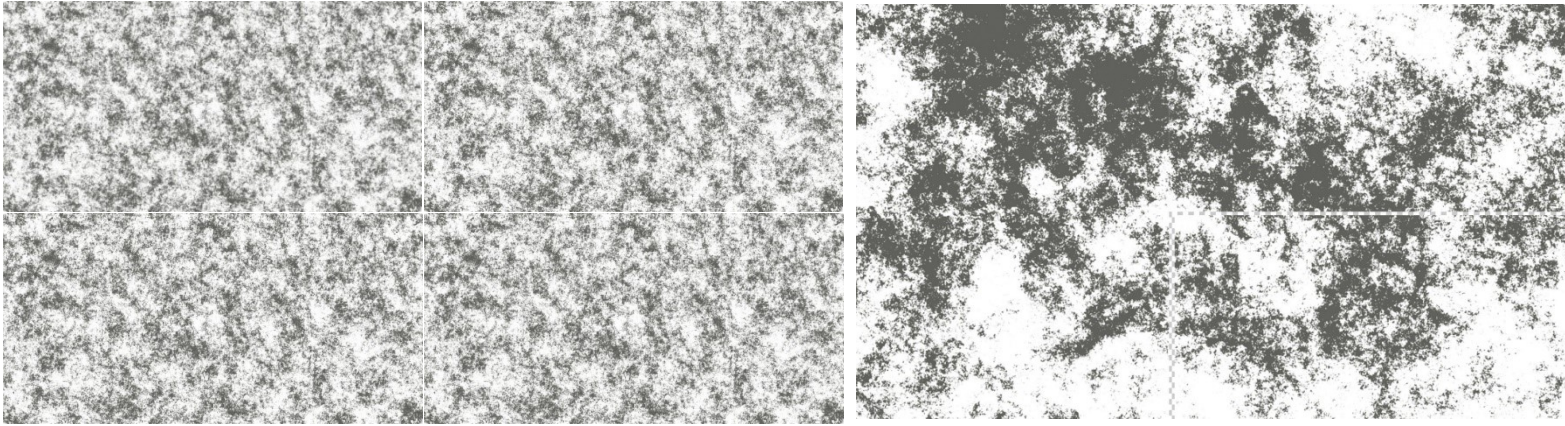
Luminux Durable Option

- .045" thick Aluminum:
- Sizes: 4'x8' standard size
- CUSTOM or Collection Name
- Meets Class B flame spread index 75 or less and smoke developed index 450 or less
- 0.6 lbs. / sf.
- Corners available in 1/8" radius or square cut

PART 3 - EXECUTION

3.1 EXAMINATION

- A single-sided application.
- LUMINUX surfaces have a gloss finish created by our face-mounted specialty protective film, which is applied to minimize scratching and protect images from UV damage.
- Examine the product, substrates, and installation conditions.
- Do not proceed with the work until the conditions have been corrected.
- Most Luminux panels are seamless, as demonstrated in the picture below with four 4'x8' panels. Each panel is equipped with an up-arrow sticker designating the top left corner. While you have the flexibility to use Luminux decorative panels in various orientations, it's essential to keep the top left corner in mind to ensure a seamless installation when using multiple panels. The image on the right displays the actual size pixels where the panels meet, illustrating their perfect seamless alignment. We have intentionally offset the bottom right panel to highlight the location of the four corners.



3.2 SURFACE PREPARATION

- Prior to installation, clean the surface to remove dirt, debris, and loose particles. Perform additional preparation procedures as required according to the manufacturer's instructions.
- Protection: Take all necessary precautions to prevent damage to materials during installation.
- If installed directly on drywall, we recommend a Level 4 drywall finish.
- At no time and for no reason should the surface clear laminate be removed, as doing so will void the warranty.

3.3 CUTTING AND ADJUSTMENT

- Always test cut LuminuX panels first using EskO or CNC router equipment.
- Cut LuminuX separate from substrate, then mount to substrate
- Cut LuminuX show side face-down (i.e. Printed /laminated side face down)
- Use Universal Bit (or comparable) source and type:
www.kongsbergstore.com
42451104
BIT-MUS06-3006-50C1

3.4 INSTALLATION

- Install the work of this section in strict accordance with manufactures written Technical Information and workability guidelines.
- Measure accurately the surface area of installation.
- Prep surface to a Level 4 condition.
- AVOID KINKING MATERIAL. Keep panels flat when storing and shipping. When maneuvering and positioning panels, always support LUMINUX in the center and on edges, typically a 2-3 installer operation.
- Apply double sided tape – 3M VHB Tape.
- Apply construction panel adhesive (such as Liquid Nails) or any adhesive compatible with aluminum and the Level 4 surface material.
- Using a caulk gun, apply adhesive to the back side of the LUMINUX panels in a tight "S" pattern while keeping at least 3-4 inches away from panel edges. This prevents adhesive from seeping or squeezing out into the seams once panel is pressed into place. Note: "S" pattern should have a 4"-5" spacing between adhesive paths.
- Position LUMINUX panels and evenly press into place, enough for the adhesive to take hold.
- Support material with blocking or similar for vertical and ceiling surfaces until adhesive sets/cures.

- At no time and for no reason should the surface clear laminate be removed, as doing so will void the warranty.

Ceiling Installation – Follow instructions from [Titebond .pdf](#)

Recommendations for installing LUMINUX ceiling panels are as follows:

- No mechanical fasteners should be used. Tightening of fasteners may dimple LUMINUX substrate material.
- DO NOT REMOVE CLEAR FILM FROM FACE OF LUMINUX PRODUCT or Product Warranty will be void.
- Titebond manufacturer recommends [Titebond Advanced Polymer Panel Adhesive](#) (not the Green because it is not compatible with metal. Use Advanced Polymer Adhesive only.)
- Instructions on how to use Titebond Advanced Polymer:
http://www.titebond.com/App_Static/literature/adhesives/FF821_FRP_InstallationGuide_8.5x11.pdf
- Do not install LUMINUX on damaged walls. Your porous or non-porous substrate must be flat, even, clean and dry before successful installation can be performed.
- Again, DO NOT REMOVE CLEAR FILM FROM FACE OF LUMINUX PRODUCT or Product Warranty will be void.
- Allow approximately a minimum 1/16" expansion space between panels to create expansion joints in the event of nominal panel expansion or contraction following installation.
- Remove any adhesive from face of panel prior to adhesive curing for easy clean-up by using a tested solvent and soft rag.

3.5 CLEANING

- DO NOT remove clear protective laminate from face of product.
- Use a mild detergent solution on a soft cloth. Use a microfiber cloth or clean with water, Glass Cleaner, and/or Vinegar or mineral spirits as recommended by the Titebond manufacturer.
- Test your preferred cleaning solvent on sample or hidden area of product. DO NOT use abrasive products. Remove any adhesive from face of panels prior to curing for easy clean-up using water and soft rag.
- For HEAVY CLEANING and removal of grease, use oil based mineral spirits or naphtha. Low concentration ammonia-based cleaning agents such as glass cleaners may also be used.
- Visually inspect all exposed surfaces for scratches or blemishes.
- Protect Decorative Metal from damage during remainder of construction period.

4.0 ORDERING

LUMINUX 4' x 8' sheets (max cut sheet size is 47" x 95") are made to order in full or custom cut sizes and/or shapes. Typical production lead time is a minimum of 4-6 weeks (plus transit) pending production workload at time of order. Rush Orders are considered.

5.0 CRATING AND SHIPPING

LUMINUX panels are shipped in cardboard box containers secured on wood pallet(s). Product is to remain flat to alleviate warping. Do NOT add weight on top of material as damage will occur. Shipping quotes are available no sooner than 2 weeks before shipment.

6.0 RECEIPT OF SHIPMENT

Inventory order and inspect product before accepting shipment. Report notes of damage on Bill of Lading before signing. Point damage out to truck driver. Report damage within 12 hours accompanied with photo evidence. LUMINUX is a hand-applied product; therefore, finishes may present slight imperfections.

7.0 STORAGE AND HANDLING

LUMINUX product is to remain flat in shipping container until time of installation to prevent warpage and on-site damage. DO NOT add weight on top of material as damage will occur. DO NOT place panels face to face or face to back

without a non-stick barrier between panels as the specialty protective film will stick together and cause peeling thereby voiding product warranty.

8.0 WARRANTY DISCLAIMER AND LIABILITY

Contents of this documentation are believed to be accurate and reliable; however, because conditions and methods of fabrication and installation are beyond LUMINUX control, we recommend purchasers determine suitability of LUMINUX product use. Jancik Arts International, Inc./LUMINUX is not liable for direct, consequential, economic, or other damages. No Warranty is expressed or implied. LUMINUX is a hand-applied product; therefore, finishes may present slight imperfections. Users are solely responsible for determining the suitability of these products for any specific use and shall assume all risks and liabilities associated with their application.

FOR MORE INFORMATION, CONTACT US 1.800.337.3526

<https://www.luminuxpanels.com>

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