



Specification Information

Decotone Metallic Laminates

Phenolic Backed Metallic Laminates

January 2016

Decotone Metallic Laminates

1. Product Identification

Decotone Metallic Laminates - *Phenolic Backed Metal Laminate, Solid Anodized Metal Sheet, and Stainless Steel.*

2. Manufacturing and Marketing:

Decotone Metallic Laminates are marketed and distributed by:

Decotone Surfaces

520 South Avenue.

Garwood, NJ 07027

Phone: (908) 301-0600

Fax: (908) 301-0601

Decotone Surfaces markets its products throughout the US, Mexico and Canada. Decotone Surfaces Metallic Laminates are manufactured in Incheon, Korea or at one of Decotone Surfaces U.S. facilities exclusively for Decotone Surfaces and our distribution partners.

3. Metal Laminate Types:

- **Type 1 - Phenolic Backed** -Decotone Phenolic backed Metallic Laminates are composed of a layer of a decorative aluminum sheet, pressed over several layers of phenolic saturated Kraft paper. The backside of the laminate is sanded to ensure uniform bonding and consistent thickness. Phenolic backed Metallic Laminates are class B fire rated, however can be produced as Class A fire rated upon request.
Composition: The metal foil in a Metallic laminate sheet is approximately 11% of the total laminate construction. The remaining product make up consists of layers of phenolic impregnated Kraft paper bonded through the HPL manufacturing process. Resin content is typically 30-33%.
- **Type 2 - Solid Anodized Aluminum** – Solid Aluminum Sheets .025” thickness 4’ x 8’ and 4’ X 10’ sheets. Available in Brushed, & Polished. Class A fire rated.
- **Type 3 - Decotone Artistic Metal Series** - These are specially designed Decorative Metallic sheets designed by Decotone’s creative design department. This unique design



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series consists of Decotone's Oxidized, Etched Copper Series, and distressed Aluminum designs.

Any designs that are manufactured with a solid aluminum back are Class A fire rated.

- **Type 4 - Solid Stainless Steel** - .025" thick Stainless Steel Sheets. Sizes 4' x 10' typically used for back splashes and other decorative Stainless Steel applications. Other sizes available upon request. Class A fire rated.

4. Description:

- **Sheet sizes:** 4' x 8' - All Decotone Metallic Laminates Types 1, 2, & 3 are available in size 4' x 8'. Type 4 (stainless steel) is available in size 4' x 10' only.

7118 Brushed Aluminum and 1101 Stainless Aluminum are available in size 4'x8' & 4'x10'.

7118, 1101, 7133, 7135 and 1207 are manufactured with (1/2" to 1") oversize on the length and width.

- **Thickness Available:** .032" (.8mm) Post Forming Grade, and .040" (1.0mm) Standard Grade.
- **Basic uses:** Decotone Metallic Laminates are recommended for interior vertical decorative applications. Possible uses are hotels, restaurants, cabinet doors, store fixtures, exhibit manufacturing, furniture, POP displays, columns, and slat wall.
- **Not recommended for:** Areas exposed to high temperatures, exterior use, and heavy use counter tops.

5. Installation: Decotone Decorative Metals can be bonded to the following substrate material. Plywood, MDF Board, HDF Board, Particle Board. Material should be installed in conformance with basic techniques outlined by NEMA LD-3 for high pressure laminate; or as recommended by your adhesive manufacture.

6. Cutting and Tooling:

All aluminum products, **Types 1, 2, & 3** can be cut using a circular saw with a carbide blade at high speeds or a router with carbide bits.

Type 4 – Stainless steel is very thin and easy to cut with any cutting sheers or heave duty industrial scissors. Caution: Please note that using a circular saw can damage the blade and create sparks when cutting the stainless steel.



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Gluing - Decotone Metallic Laminates can be glued using any contact type adhesive. Stainless steel can be glued with Liquid Nails.

Protective eye wear should be worn at all times when cutting decorative laminates or metallic laminates and stainless steel. Please refer to our MSDS sheet for further information or the NEMA LD-3 specifications for handling of decorative laminates.

7. Post - Forming: Most Decotone Decorative Metals are available in a post-forming grade. All material comes with a protective peel coat, to help protect against scratching during use.

Metal forming results for post forming and standard metals.

0.8mm post forming - can be heated and formed to 6mm radius.

0.9mm post forming - can be heated and formed to 8mm radius.

1.0mm standard can be wrapped to a 12" diameter.

Decotone Surfaces metallic laminates in 0.8mm and 0.9mm are produced and stocked in post forming grade.

Decotone Surfaces metals in 1.0mm thickness are stocked as standard - non forming grade. This thickness can be produced as post forming grade as a special order.

Please follow post forming instructions as outlined in the Nema LD3 instructions.

8. Balancing: We recommend that all Decotone Decorative Metals adhered to a substrate should be balanced with an equally thick Decotone phenolic backer to help ensure a proper balance to keep finished boards flat.

9. Care and Maintenance:

- **Types 1, 2 & 3** should be cleaned with a particle free, clean, non-abrasive, damp cloth. Mild soap and water or mild liquid detergent can be used. **Do not use:** Solvents, abrasive cleaners, steel wool, powder soap, harsh chemicals, acids or alkaline cleaners. These products may cause scratching and/or surface discoloration.
- **Type 4.** Stainless Steel should be cleaned with specific stainless steel cleaners.

10. Lead time:



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- From Stock: 3-5 days.
- Special orders: 4 weeks.
- Please call to check stock and availability.

11. Material Warranty: Decotone LTD warrants that its products are reasonably free of defects, when properly used in accordance to the standards set forth by NEMA LD-3. This warranty is valid for a period of one year from purchase date and is limited to the value of the material purchased. This warranty is extended to the original buyer, and shall not be transferable to any person or entity. Decotone does not assume liabilities arising from the sale, installation, furnishing or repair of finished goods. This warranty excludes damages resulting from accidents, abuse, lack of care, or improper use.