

Decorative Ceiling Tiles supplies NuMetal to commercial, healthcare and institutional, hospitality, and retail architectural and interior design markets. NuMetal is a collection of HPLs (High Pressure Laminates) with real aluminum, copper, or stainless steel backed with a phenolic paper backing that makes it easy to work with. Featuring embossing, hand painting, etching, and other innovative techniques to enhance the look of metals. High quality design solutions are its trademark. NuMetal is suitable for vertical and light-duty horizontal applications.

Most NuMetal laminates are available for special order, in 100 percent rapidly renewable, pre-consumer materials that are phenol-free and have formaldehyde emissions of less than 0.01 PPM – one of the lowest in the industry. The core is made of 100 percent biological secondary components obtained from renewable resources and is fully recyclable.

## **SECTION 06 6416**

### **HIGH PRESSURE LAMINATES**

#### **PART 1 - GENERAL**

##### **1.1 SECTION INCLUDES**

- A. Decorative Metal Laminates.

##### **1.2 RELATED SECTIONS**

- A. Section 06 1000 - Rough Carpentry.
- B. Section 06 2000 - Finish Carpentry.
- C. Section 06 4100 - Architectural Wood Casework.
- D. Section 09 2116 - Gypsum Board Assemblies.
- E. Section 12 3600 - Countertops.

##### **1.3 REFERENCES**

- A. German Institute for Standardization (DIN):
  - 1. DIN EN 717: Wood-based Panels – Determination of Formaldehyde Release – Formaldehyde emission by the chamber method.

#### **SUBMITTALS**

- A. Submit under provisions of Section 01 3000.
- B. Product Data: Include manufacturer's technical data sheets and published instruction instructions.

- C. Shop Drawings: Fully dimensioned shop drawings showing layouts and components, including edge conditions, substrate construction, and cutouts and holes. Include elevations, section details, and large scale details. Indicate color, pattern, and finish selections.
- D. Verification Samples: For each product specified, two samples, representing actual product, color, and patterns
- E. Maintenance Data: Manufacturer's published maintenance manual with closeout submittals.

#### QUALITY ASSURANCE

- A. Manufacturer: Minimum of 5 years' experience producing similar products.

#### DELIVERY, STORAGE, AND HANDLING

- A. Deliver and store products in manufacturer's unopened packaging bearing the brand name and manufacturer's identification until ready for installation.
- B. Storage and Handling: Comply with manufacturer's recommendations for storage and handling. Store product flat to prevent damage. Protect from weather damage.
- C. Handling: Handle materials to avoid damage.

#### PROJECT CONDITIONS

- A. Preconditioning: Acclimatize products for a minimum of 24 hours prior to fabrication. Precondition to occupancy conditions.

#### WARRANTY

- A. Warranty: Provide manufacturer's standard limited warranty against defects in manufacturing.

### PART 2 - PRODUCTS

#### MANUFACTURER

- A. Basis-of-Design Manufacturer: Dekodur Laminate Technology, as distributed by ATI Decorative Laminates, 6106 West Market Street, Greensboro, NC 27409. Toll Free: 800-849-1320. Tel: 336-668-0488. Fax: 336-668-0713. Email: [info@advtechnology.com](mailto:info@advtechnology.com). Web: [www.atilaminates.com](http://www.atilaminates.com).

## DECORATIVE METAL LAMINATES

- A. Basis of Design: NuMetal: High pressure laminate with metal surface and phenolic paper backing.
- B. Properties:
1. Certified according to EN DIN 717/1, the emission thresholds of CARB's Airborne Toxic Control Measure (ATCM) Phase 1 and 2 for HWPW, PB, and MD.
  2. Non-fading.
  3. Abrasion resistant.
  4. Fire Retardancy: IMO Res. MSC.61 (67)-(FTP Code) Annex 1, Part 5 and Annex 2. IMO MSC/Circ. 1120.
- C. Sheet Size: [4 feet x 8 feet (1219 mm x 2438 mm)] [4 feet x 10 feet (1219 mm x 3048 mm)].
- D. Thickness: [0.035 inches (0.89 mm)] [0.050 inches (1.27 mm)].
- E. Finish: [Anodized aluminum] [Copper with lacquer finish] [Brass with lacquer finish] [Stainless steel] [Brushed aluminum with lacquer finish].
- F. Aluminum Pattern: [1014 Polished Smoke] [11 NTZ Mesh Black] [202 Ron Rondo Aluminum] [204 Mill Aluminum] [256 Brushed Stainless Steel] [256 DRT Crater Brushed Stainless] [GEK Diamond Plate Brushed Stainless] [256 NTZ Mesh Brushed Stainless] [256 PGQ Ridges Brushed Stainless] [256 PTK Reeds Brushed Stainless] [256 SEL Metal grain Brushed Stainless] [256 SHI Shingles Brushed Stainless] [256 WRZ Roots Brushed Stainless] [258 Brushed Blue] [490 DRT Crated Antique Pewter] [490 NTZ Mesh Antique Pewter] [490 PTK Reeds Antique Pewter] [490 SEL Metal grain Antique Pewter] [490 SHI Shingles Antique Pewter] [490 WRZ Roots Antique Pewter] [603/209 Corrugated Mill Aluminum] [603/209 Corrugated Brushed Stainless Steel] [603/924 Corrugated Brushed Aluminum] [904 Polished Aluminum] [914 Polished Brass] [924 Brushed Aluminum] [924 GEK Diamond Plate Brushed Aluminum] [924 HAM Brushed Aluminum Fine Hammered] [924 NTZ Brushed Aluminum Mesh] [924 PGQ Ridges Brushed Aluminum] [924 PNT Brushed Aluminum Point] [924 PTK Reeds Brushed Aluminum] [934 Brushed Brass] [944 Brushed Bronze].
- G. Copper Pattern: [401 NTZ Mesh Antique Copper] [402 PTK Reeds Antique Copper] [C400 Matte Copper] [C431 Ore Antique Copper] [C457 Filigran Antique Copper] [C462 Antique Fine Hammered Copper] [C471 Fine Hammered Copper] [C473 Hammered Copper].
- H. Stainless Pattern: [299 GEK Diamond Plate Real Stainless Steel] [299 MIC Brushed Real Stainless Steel] [299 Ron Rondo Real Stainless Steel] [299 ROS Radial Real Stainless Steel].
- I. Unique Art Pattern: [C412 Patina Onyx] [C414 Patina Malchit] [C421 Patina Autumn Leaves] [C426 Patina Esmeralda] [CA1 Unique Art Berlin] [CA2 Unique Art Cairo] [C412 Patina Onyx] [CA27 Unique Art Washington] [CA29 Unique Art Cape Cod] [CA34 Unique Art Oz] [CA5 Unique Art Madrid].
- J. Application: [Commercial] [Healthcare and Institutional] [Hospitality] [Retail].

## PART 3 - EXECUTION

### EXAMINATION

- A. Examine substrates for compliance with requirements for installation. Proceed with installation only after unsatisfactory conditions have been corrected.
- B. Commencement of work will constitute acceptance of existing conditions and surfaces to receive the work.

### PREPARATION

- A. Clean surfaces thoroughly prior to installation.
- B. Prepare surfaces using the methods recommended by the manufacturer for achieving the best result for the substrate under the project conditions.

### INSTALLATION

- A. Install in accordance with manufacturer's instructions and approved submittals.

### CLEANING AND PROTECTION

- A. Clean products according to manufacturer's printed care and maintenance instructions.
- B. Protect installed products and finish surfaces from damage during remainder of construction period.

END OF SECTION