

SECTION 06 4025 HIGH PRESSURE LAMINATES

(Carbon Zero HPL & Formipak Laminates – High-Pressure Decorative Laminate Surfaces)

PART 1 - GENERAL

1.1 SUMMARY

- A. Section Includes: High pressure laminates (HPL) for interior horizontal and vertical surfaces.
- B. Related Sections: Coordinate with the Work of other sections, including the following:
 - 1. Section 06 20 23 - Interior Finish Carpentry.
 - 2. Section 06 41 16 - Plastic-Laminate-Faced Architectural Cabinets.
 - 3. Section 06 42 19 - Plastic-Laminate-Faced Wood Paneling.
 - 4. Section 06 64 00 - Plastic Paneling.
 - 5. Section 10 21 13 - Plastic-Laminate-Clad Toilet Compartments.
 - 6. Section 10 51 23 - Plastic-Laminate-Clad Lockers.
 - 7. Section 12 32 16 - Manufactured Plastic-Laminate-Faced Casework.
 - 8. Section 12 35 53 - Plastic-Laminate-Clad Laboratory Casework.
 - 9. Section 12 36 23 - Plastic-Laminate-Clad Countertops.

1.2 SUBMITTALS

- A. Product Data: Submit manufacturer's literature including product characteristics, accessories, and limitations.
- B. Selection Samples: Submit samples of colors and finishes if requested by the Architect.
- C. Verification Samples: Submit samples of selected materials specified to verify color and finish.
- D. Industry Certifications and Standards: Submit copy of documentation indicating compliance.

1.3 QUALITY ASSURANCE

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

1.4 DELIVERY, STORAGE, AND HANDLING

- A. Deliver materials and products in unopened, factory-labeled packages. Store and handle in strict compliance with the manufacturer's instructions and recommendations.

1.5 WARRANTY

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

PART 2 - PRODUCTS

2.1 MANUFACTURER

- A. Carbon Zero HPL LLC, 248 James St., Venice, FL 34285. Tel: 844-307-9571. Contact: Anita Hlister, 813-802-8211.

2.2 HIGH PRESSURE LAMINATES

- A. Panels shall comply with the following:
 - 1. General Purpose Grade: HGS complying with NEMA LD3.
 - 2. Horizontal Grade: HGL complying with NEMA LD3.

3. Horizontal Forming Grade: HGP complying with NEMA LD3.
 4. Vertical Forming Grade: VGP complying with NEMA LD3.
 5. Compact Grade: Complying with NEMA LD3.
- B. Sheet Thickness: As selected from the manufacturer's standard thicknesses:
1. HGS 0.048 in. (1.2 mm); HGL 0.039 in. (1.0 mm); HGP 0.039 in. (1.0 mm); VGP 0.028 in. (0.7 mm).
 2. Compact Grade ½ in. (12 mm) and ¾ in. (18 mm).
- C. Sheet Width: As selected from the manufacturer's standard widths of 48 in. (1219 mm) and 60 in. (1524 mm).
- D. Sheet Length: As selected from the manufacturer's standard lengths of 96 in. (2438 mm), 120 in. (3048 mm), and 144 in. (3658 mm).
- E. Color and Texture: As selected by the Architect from the manufacturer's full range.
- F. Adhesive: Types as recommended by the manufacturer.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates for compliance with requirements for installation tolerances and other conditions affecting performance. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 INSTALLATION

- A. Install products in strict accordance with the manufacturer's instructions and approved submittals.
- B. Clean the substrate of dirt, dust, waxes, and other bond-breaking substances prior to beginning installation.
- C. Follow the adhesive manufacturer's recommendations for set and application times.
- D. Apply pressure to the entire panel face with a laminate-type roller, removing trapped air and ensuring proper adhesion between surfaces.

3.3 ADJUSTING AND CLEANING

- A. Replace installations out of plumb or not aligned with adjacent panels and construction.
- B. Clean the panel face to remove soiling, stains, dust, and dirt using clean rags and cleaning agents as instructed by the manufacturer.
- C. Leave the installation clean and free of residue and debris resulting from the work of this Section.

END OF SECTION 06 4025