

Pionite<sup>®</sup> Thicklamm<sup>™</sup> High Pressure Laminate (HPL) is phenolic core laminated on both sides and ready for use in a variety of applications such as partitions, work stations, paneling, transportation vehicles and industrial work surfaces. Panels are available in a range of thicknesses to eliminate the use of substrate. It is useful wherever flat, freestanding panels are needed for decorative purposes. Solid phenolic core laminate has all the properties of conventional laminate and panels are manufactured to order in any design at a small minimum quantity. For more information, please visit our website [www.pionite.com](http://www.pionite.com) or call 877-726-6526.

## SECTION 064029

### THICK PHENOLIC CORE LAMINATE PANELS

#### PART 1 - GENERAL

##### 1.1 SUMMARY

- A. Provide thick phenolic core laminate panels for interior horizontal and vertical surfaces.
- B. Related Sections: Coordinate with Work of other sections including the following:
  - 1. Section 062023 – Interior Finish Carpentry.
  - 2. Section 064116 – Plastic-Laminate-Faced Architectural Cabinets.
  - 3. Section 064219 – Plastic-Laminate-Faced Wood Paneling.
  - 4. Section 066400 – Plastic Paneling.
  - 5. Section 102113 – Plastic-Laminate-Clad Toilet Compartments.
  - 6. Section 105123 – Plastic-Laminate-Clad Lockers.
  - 7. Section 123216 – Manufactured Plastic-Laminate-Faced Casework.
  - 8. Section 123553 – Plastic-Laminate-Clad Laboratory Casework.
  - 9. Section 123623 – 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 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 manufacturer's instructions and recommendations.

##### 1.5 WARRANTY

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

## PART 2 - PRODUCTS

### 2.1 THICK PHENOLIC CORE LAMINATE PANELS

- A. Manufacturer: Panolam Industries International, Inc., 20 Progress Drive, Shelton, CT 06484. Tel: 877-726-6526, Fax: 203-225-0050. Web: www.panolam.com. Panels shall comply with the following:
1. Laminate Material: Complies with NEMA LD3 for Type CGS high pressure laminates.
  2. Standard Grade: Compact laminate with {black} {brown} core and finish options selected.
  3. Fire-Rated Grade: Compact laminate with Class A fire rating, with {black} {brown} core and finish options selected.
  4. Chemical-Resistant Grade: Compact laminate with {black} {brown} core with Chemguard finish engineered to resist acids, bases, solvents, and chemical reagents. Provide panel which meets or exceeds the minimum performance in accordance with the chemical resistance test per SEFA-8-PL-2010.
  5. Sheet Thickness: As selected from manufacturer's standard thickness of 1/8 inch (3 mm), 1/4 inch (6 mm), 3/8 inch (9 mm), 1/2 inch (12 mm), 3/4 inch (19 mm) or 1 inch (25.4 mm) thickness with a tolerance of plus or minus 5 percent. Check with manufacturer for additional thicknesses.
  6. Sheet Width: As selected from manufacturer's standard widths of 36 inches (914 mm), 48 inches (1219 mm), and 60 inches (1524 mm).
  7. Sheet Length: As selected from manufacturer's standard lengths of 96 inches (2438 mm), 120 inches (3048 mm) and 144 inches (3658 mm).
  8. Color and Finish: As selected by Architect from manufacturer's full range.
  9. Adhesive: Epoxy adhesive as recommended by manufacturer. When necessary, prepare surfaces with light sanding with 100 grit sandpaper. Contact adhesive shall only be used on sanded surfaces.
  10. Edge Finishing: Sand with 80 grit coarse sandpaper followed by 180-220 grit fine sandpaper to provide a smooth appearance to edges. Higher grit sandpaper may be used on product for an even smoother finish.

## 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 manufacturer's instructions and approved submittals.
1. Clean substrate of dirt, dust, waxes, and other bond breaking substances prior to beginning installation.
  2. Follow adhesive manufacturer's recommendations for set and application times.
  3. Apply pressure to entire panel face with laminate type roller, removing trapped air and ensure proper adhesion between surfaces.

### 3.3 ADJUSTING AND CLEANING

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