

**FRL<sup>®</sup> Wall Protection Panels** are the innovative surfacing product from Panolam Industries. Engineered and manufactured to exacting standards you can be assured that it will not delaminate internally like similar products currently available. This wall panel provides ease of installation, job-site workability, long lasting style and exceptional durability year-after-year. For more information, please visit our website [www.panolam.com](http://www.panolam.com) or call 877-726-6526.

**SECTION 066401 FIBER REINFORCED LAMINATE**  
**SECTION 097710 LAMINATE WALL SURFACING**  
**SECTION 102600 - WALL AND DOOR PROTECTION**

**PART 1 - GENERAL**

**1.1 SUMMARY**

- A. Section includes:
  - 1. FRL<sup>®</sup> (Fiber Reinforced Laminate) Wall Protection Panels for wall and door applications.
  - 2. Accessories, including adhesives and sealants.
- B. Related Sections: Coordinate with work of other sections including the following:
  - 1. Section 092900 – Gypsum Board.
  - 2. Section 096513 – Resilient Base.
  - 3. Section 102600 – Wall Protection System.

**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 materials selected 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 FIBER REINFORCED LAMINATES**

- A. Manufacturer: Panolam Industries International, Inc., One Corporate Drive, Suite 725, Shelton, CT 06484. Tel: 203-925-1556. Web: [www.panolam.com](http://www.panolam.com). Panels shall comply with the following:

1. Thickness: 0.075 inches Also available in a sanded back for door applications only (0.062 inches).
2. Color and Finish: As selected by architect from manufacturer's full range of Nevamar or Pionite colors and designs.
3. Surface Burning Characteristics: US Standard UL-723/ASTM E 84 Class A; Canadian Standard ULC-S102 Class A for Surface Burning Characteristics of Building Materials.
4. Sustainability, Indoor Air Quality: GREENGUARD Gold Certification.
5. IMO Certified for marine use.
6. Chemical resistant compliant with SEFA 8 requirements.
7. Wear Resistance (Cycles) NEMA 3.13: 3500 typical.
8. Flexural Strength ASTM D790: 20,148 psi typical.
9. Molding Profiles: Outside corners flat, outside corners round, division bars, inside corners, standard end caps.
10. Adhesive: Construction Adhesive #4319 by Franklin Adhesives and Polymers or equal approved by panel manufacturer.
11. Joint Caulking: Color Sil by Color Rite or equal approved by panel manufacturer; 100 percent silicone based colored caulking.

### **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. The wall must be finished to level 3 and fully primed.
  2. Install panels with bottom edge located to clear top of any rigid wall base. Rubber wall bases may be bonded over the FRL® panels using a polymer or urethane based adhesive.
  3. Apply adhesive uniformly using adhesive manufacturers recommended notched trowel to the entire back of panels completely to the edge.
  4. Lay FRL® panels in place leaving approximately 1/8 inch vertical installations 3/16 inch for horizontal installations between panel joints.
  5. Follow adhesive manufacturer's recommendations for set and application times.
  6. If you are attaching FRL® panels to a door or wood substrate, we recommend the use of contact glue. Please follow contact glue manufacturer's directions.
  7. Apply pressure to entire panel face with laminate type roller, removing trapped air and ensure proper adhesion between surfaces.
  8. If no trim is used, seal panel joints and top, side, and bottom edges with colored 100% silicone caulking to match panel color. Wipe smooth and remove excess caulk from FRL® panel face.

#### **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.

### **END OF SECTION**

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