



# Royal MacLumber

## Three Part Architectural Specifications

### **PART 1: GENERAL**

#### **1.1 Scope**

Specify wood/plastic composite exterior trim with acrylic cap as shown in drawings or as specified herein to meet project requirements.

#### **1.2 Qualifications**

Exterior Trim shall be Royal MacLumber as manufactured by J-Mac Lumber of Bamberg, South Carolina.

#### **1.3 Storage of Materials**

Exterior Trim shall be stored off of the ground, and on a pallet or over stringers spaced no more than 30" apart (18" from ends) and should be covered.

#### **1.4 Warranty**

The Royal MacLumber warranty is a Limited Lifetime Guarantee against rotting, delamination, warping, splitting, checking, moisture absorption, or insect infestation for the original owner. The pre-finished surface is warranted against significant color change for 15 years. Remedies, notification, exceptions and limitations are covered in the full warranty text. Improper installation, storage or handling as well as deliberate abuse or alteration will void the warranty.

### **PART 2: PRODUCTS**

#### **2.1 Composite Trim boards**

Trim boards shall be Royal MacLumber and have an interior core of thermoplastic resins and wood fiber with an outer cap of ASA acrylic polymers. The nominal thickness shall be (5/8", 4/4", 5/4") and the nominal width shall be (4", 6", 8", 10", 12").

#### **2.2 Composite Moldings**

Moldings shall be Royal MacLumber and have a foamed interior core of thermoplastic resins and wood fiber with an outer cap of ASA acrylic polymers. The profile shall be (1" x 1" Inside Corner Post, 1" x 3-1/2" X 3-1/2" and 1" x 5-1/2" X 5-1/2" Outside Corner Post, 1-1/4" x 2" Brickmold, 1-3/8" diameter Round Molding, or 1-3/8" x 1-3/8" Square Molding).

#### **2.3 Composite Tongue & Groove**

Tongue and Groove panels shall be Royal MacLumber and have a foamed interior core of thermoplastic resins and wood fiber with an outer cap of ASA acrylic polymers. The actual thickness shall be 5/8" and the actual exposed face width shall be 2-15/16" and 5-1/16". The face exposed to the weather shall be V-Groove pattern or Beaded pattern.

## **PART 3: EXECUTION**

### **3.1 Fasteners**

Royal MacLumber Exterior Trim must be mechanically fastened with corrosion resistant nails or screws that are of sufficient length to penetrate the framing or nailing base at least 1-1/2" (nails) and 1" (screws). Nails shall have a minimum shank diameter of .090" and screws shall be a minimum of #6 size.

### **3.2 Adhesives**

Adhesives may be used to reduce the number of mechanical fasteners. Application shall be with adhesives containing MEK that are 'exterior grade and moisture proof. Supplemental mechanical fastening is needed to hold the trimboard in place while the adhesive cures.

### **3.3 Finishes**

When field finishing Royal MacLumber Exterior Trim, use acrylic latex paints. When primer is used, use fast drying acrylic latex primer/sealers such as Zinsser or equivalent. Do not use stains (solid or semi-transparent), oil/alkyd paints and primers, vinyl based paints or shake and shingle paints.

### **3.4 Caulking**

Utilize a good quality acrylic latex caulk to fill countersunk fasteners, damaged areas or where trim butts to other building components.

### **3.5 Installation**

#### **3.5.1 General**

- A. Trim shall be fastened directly to structural members or other adequate nailing base.
- B. Fasten trim from one end to the other, or from the middle out. Never fasten from both ends to the middle.
- C. Space fasteners no closer to edges and ends than 5/16".
- D. When butting trim to other materials, leave 1/8" gap and caulk. Where trim butts to itself, the joints must fall over framing or a sound nailing base, and be nailed on both sides of the joint.
- E. When applying trim in cold weather, leave 1/8" gap at butt joints for expansion. When applying in hot weather, bring butt joints into light contact.
- F. Follow the detailed installation instructions available from Royal MacLumber.

#### **3.5.2 Trimboards**

- A. Framing members or nailing supports should be spaced no more than 24" o.c.
- B. Space fasteners no more than 24" o.c. down both edges of the Trimboard.
- C. At butt joints, for Trimboards wider than 8", use three nails on each side of the butt joint. For narrower boards, use two nails on each side.

### **3.5.3 Tongue and Groove Panels**

- A. Framing members or nailing supports should be spaced no more than 16" o.c.
- B. Nailing can be concealed (angle nail through tongue area) or face nailed.
- C. Random butt joints are not recommended. In overhead applications, install panels perpendicular to the building or if application is parallel to the building, align the joints and cover the joint with a batten.

### **3.5.4 Moldings**

- A. Framing members or nailing supports should be spaced no more than 24" o.c.
- B. On Outside Corners, space fasteners no greater than 24" o.c. down each face; on Inside Corners and Brickmold, space fasteners no greater than 16" o.c. down one face; on 1-3/8" Square Moldings, space fasteners no greater than 24" o.c. down one face.

### **3.6 Field Finishing**

- A. Surface must be dry and free of dirt, dust, mildew, oil or other contaminants.
- B. Fill damaged areas, overdriven fasteners, etc. with caulk or exterior filler.
- C. For best results, either scuff sand the surface with 150-200 grit sandpaper, or apply a primer, or both. If these steps are skipped, expect paint adhesion to develop more slowly than normal.
- D. See 3.3 for finish specifications.
- E. Follow the paint manufacturer's directions, especially regarding spread rates, application procedures and weather-related requirements.

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