



## **Installation Guide – Exterior WITH joints**

### **1) Determine the quantity of stone required:**

A box of Pierres Royales contains 10 square feet of stones and 8 linear feet of corner pieces. Our products are also sold in bulk, boxes of 100 square feet. Royal Stone products are for wall installations only.

### **2) Tools necessary**

Masonry saw with blade for concrete, plastering spatula (to help fill mortar into grout bag, and/or a mason's trowel (to spread the mortar on the wall), a wood stick, slickers or jointers to remove excess mortar.

### **3) Materials required**

Pre-mixed Type N mortar, galvanized wire lath (2.5 lbs/square yard), no. 12 galvanized steel screws and weather resistant barrier (WRB) as required.

### **4) Recommended surface**

- Rigid panels: plywood, chipboard (OSB) or any other rigid covering is acceptable.
- Concrete or masonry surface: Concrete foundation (cleaned), masonry, light weight concrete, stucco.

**N.B.: It is always recommended to have an airspace behind any masonry application. Please refer to local building codes for further reference.**



## 5. Preparing the surface:

- Rigid panels: Install the weather resistant barrier (WRB) followed by the galvanized wire lath.
- Light weight concrete panel: pull the joints, install the galvanized wire lath. (ensure that you overlap your sheets both vertically as well as horizontally. Corners should be bent to ensure no seems)
- Other concrete or masonry: clean the surface, otherwise no other preparation is necessary.

## 6. Installation

- 6.1 Prepare your Type N mortar (follow the manufacturer's instructions). Using a mixer, mix to obtain a uniform and even consistency (oatmeal consistency).
- 6.2 Using a plastering spatula or mason's trowel, apply the mortar (1/2" to 3/4" thickness) to the prepared surface (scratch coat).
- 6.3 If the installation includes corner pieces, install them first, alternating them according to the length of the sides.
- 6.4 For best results, the joints must be as uniform as possible and not exceeding 1/2" width.
- 6.5 When the corner pieces are in place, install the flat pieces beginning at the edges and working toward the centre of the wall.
- 6.6 Allow to dry.
- 6.7 When installing, make sure to take stones from different boxes and/or palettes to evenly distribute the colours and shapes of stone.



## **7. Filling and finishing of joints.**

- 7.1 If required, fill the joints with mortar using a grout bag. Take all necessary care to avoid spreading the mortar on the surface of the stone.
- 7.2 When the mortar joints have been filled and dry to the touch (drying time may vary) pull the joints using a wood pointer or jointer.
- 7.3 Remove excess mortar.

## **8. Cleaning the finished work**

- 8.1 Once the mortar is sufficiently hard, the surface of the new veneer must be swept clean and brushed to remove all loose bits of mortar.
- 8.2 Never use a metal brush, acid, or acid-based products to clean the stone. A nylon brush with a bit of mild soap may be used to clean the stone.

**N.B.: It is also possible to glue the stone to the surface with a polymer-modified cement glue, please refer to manufacturers installation guide for reference. Type N mortar will still be used to fill joints should the stone application require.**

