

## 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 (except for the stacked stone corners, which contains 10 linear feet per box). Our products are also sold in bulk, boxes of 100 square feet and 80 linear feet for the corners. 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.**



Projet: **Installation Guide Ext With Joints**  
Format: **8.5" x 11"**  
Couleurs: **CMYK**

Support: -  
Quantité: -  
Impression: -

Client: **Pierres Royales**  
Responsable: **Julie-Anne**  
Graphiste: **Sonia**

**Épreuve: 02**  
Date d'envoi: **21/04/2017**

## 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.**

