



Stone Coated Steel Roofing

Installation Details for Batten and Direct to Deck Applications

Cleo Barrel Tile...Batten Installation

2x2 battens @ 14 1/4", front edge to front edge, for field panels, first course is variable, usually 13 1/2" for overhang/drip

Framed at transitions for accessory installation, build up depends on pitch, usually two stacked 2x2 battens for barrel trim cap





Overhead view of Cleo Tile installed on battens,
engineered for fit and performance

Cleo Barrel Tile.... Batten Installation

First course with Bird Stop Eave fastened at high point of barrel into batten, field fastened horizontally, away from low point as shown

1x4 option used for 1st batten on low pitch application, spaced at 13 1/2" for first course only, then 14 1/4" for remainder of field



Cleo Barrel Tile.... Batten Installation

Barrel Trim fastened to batten framing against turned up panels, fastened through sides of barrel here



Full field panels run to transitions, cut and folded for trim framing, panels lay left to right for proper overlap



Cleo Barrel Tile...Batten Installation

1x4 Field Battens used for Dade County install



Diverter Style valley with Cleo edge cut flush



Cleo Tile Closed Valley Option

Measured, cut and folded
down into valley tray



Panels from each field
meet at valley centerline



Cleo Panels cut into hip/valley/rake

Panels are measured and cut past bend line and then turned up for hip, rake or roof to wall... and down for valley



Reduce or minimize waste by using off cuts with factory edge for field overlap



Cut panels folded up and stacked for hip installation

Cut edge folded down for valley



Cleo Barrel Tile.... Batten Installation

Panels measured, cut and folded up against skylight curb, under skylight flashing



Open Valley application with painted valley tray, panels folded against outside edge



Cleo Barrel Tile...Batten Installation

Bird Stop Ridge used at top course, which is usually a variable exposure, prior to barrel trim installation



Wide apron on Bird Stop Ridge eliminates short courses at ridge, reducing waste in some cases



Cleo Barrel Tile...Batten Installation

Bird Stop Eave extends past fascia for drip effect, which eliminates fascia staining in most cases, stone coated fascia used here with end disc



Bird Stop Eave installed after field courses are run, use with stone coated fascia or painted drip edge



Penetration measured from secured panels, cut and fitted with full panel



Finish details make the difference....

3D barrel effect at end of hip using cut second barrel under with end disc



Pipe penetrations cut in panels to allow top mounted flashing boot or with deck mounted flexible version sandwiched underneath, **do not use lead**



Cleo Barrel Tile...Batten Installation

Painted Copper accessory, real Copper and Lead accessories are dissimilar to galvalume coated steel and should not be used.

Batten install assures consistent lineal fit and tall barrel appearance with a fraction of the weight of concrete or clay tile.



Cleo Barrel Tile...Batten Installation

Barrel trim cut to fit onsite to accommodate transitions, junctions



Same Barrel Trim used for Hip, Ridge and Rake applications



Cleo Barrel Tile...Batten Installation

Stone Coated Side Flashing available for roof to wall after bend up of panel



Headwall requires Bird Stop Ridge and possibly Side Flashing to finish



Cleo Barrel Tile.... Direct to Deck option

- ▶ Panels installed from eave to ridge, secured back shelf and nose. Bird Stop Eave installed after first few courses laid out



- ▶ Transitions for trim cap application require batten framing over solid sheathing



Cleo Tile by Roser USA



Same roof with pictures taken at different times during the day. Colors change due to sun intensity and position.





Synthetic slate
to lightweight
Cleo Tile



Stonewood Shake...Batten Installation

14 1/2" front to front batten spacing, variable at ridge, usually installed ridge to eave



Open valley shown, panels all secured horizontally, through nose, into battens up the slope of the roof plane



Stonewood Shake...Batten Installation

Synthetic Slate product, prior to install of Stonewood Shake on Battens

Deep shadow lines project heavier roof and air space created by battens reduce heat gain in attic



Stonewood Shake...Batten Installation

Valley tray framed out, full panels approach valley prior to cut pieces being installed for open or closed valley detail. Counter battens used over existing wood shake roof



Half completed closed valley application after panels have been measured, cut and folded down into valley tray



Stonewood Shake...Batten Installation

Fold panel up at wall and caulk prior to side flashing being installed



Trim cap along rakes and side flashing along roof to wall complete installation



Stonewood Shake...Batten Installation

Stonewood Shake field panels prior to cut panels folded up against rake batten as well as partial panel area approaching valley



Finished rake details with trim cap installed



Stonewood Shake... Direct to Deck

Panels fastened vertically through extended back shelf into sheathing, then fastened through nose of panel into back shelf of panel above. Cut edge of panel turned up against hip board for trim cap install



Diverter with rib valley for direct to deck installation, cut against diverter without panel turn down

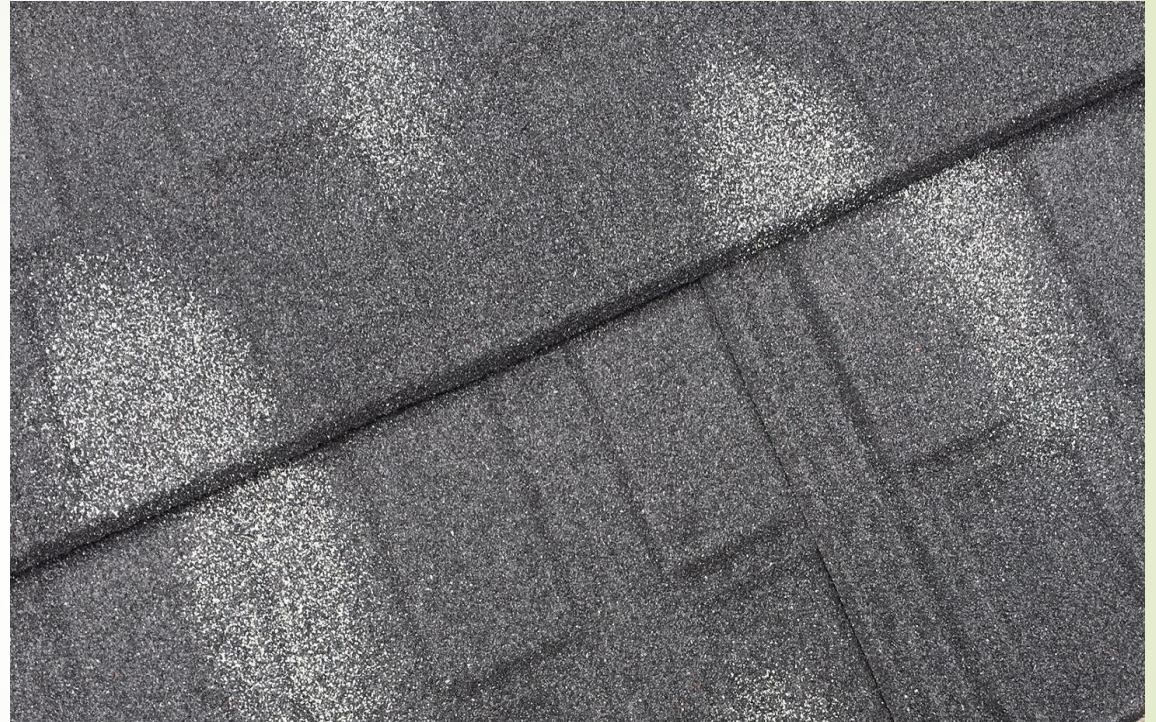


Piano Shingle direct to deck installation, overlaps in either direction. After back shelf secured directly to deck, nose of each panel is secured horizontally to panel below in shadow area.



Roser Piano Shingle, Direct to Deck Installation

Black Pearl Shingle shown on right with panel overlap area left to right and nose covering back shelf of panel below



Piano Shingle Shadowwood

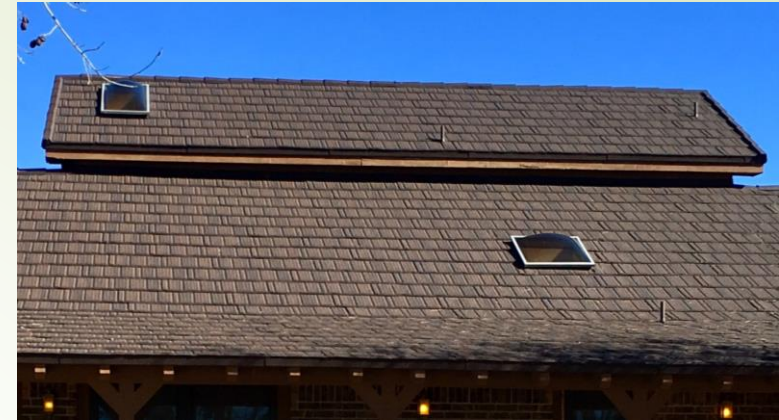


Piano Shingle Weathered Timber

Stonewood Shake by Roser USA



Stonewood Shake by Roser USA



Piano Shingle by Roser USA

