

The WeatherLok Panel

Thank you for choosing WeatherLok. This manual is a guide to installing the WeatherLok Panel. The methods here are generally accepted and proven, and used by professional installers. It may not cover every roofing scenario. Contact WeatherLok for instruction on situations not described here, and always follow your local, state and national building codes.

1 Tools needed

- Skill saw
- Cordless drill
- Impact driver
- Tin snips
- Hammer

2 Roof deck preparation

Installation is easiest when the deck is square and level. Make adjustments to the deck so the panels install to a proper fit.

3 Underlayment

Install a single layer of underlayment that complies with local building codes. ASTM D226 Type II 30# felt is the minimum underlayment. Use ice and water shield where local codes require it.

4 New construction

The roof deck should be built to current building codes, and be clean and clear of any debris.

5 Re-roof over asphalt shingles, or tear-off

Can be installed over existing asphalt shingles, up to two layers. A longer fastener is needed when roofing over existing shingles, so the screw still penetrates the roof deck sheathing by at least $\frac{3}{4}$ ". When tearing off the existing roofing, make sure the roof deck conditions meet local code. Clean off the roof deck and clear any debris away.

6 Fasteners

Each panel has six pre-drilled holes for screws. Nails are not recommended on the panel. Use corrosion resistant screws a minimum of $1\frac{1}{2}$ " in length. The screw should penetrate the roof deck sheathing by at least $\frac{3}{4}$ ". A longer fastener may be needed when roofing over existing shingles.

START ON THE LEFT

The WeatherLok Panel is designed to always be started on the left side of the roof, and installed from left to right.

Panel course cut schedule

First course	Cut left side of panel 3.5" to the edge of the nailing strip
Second course	Cut 16" off, install right side of panel
Third course	Cut 28.5" off, install right side of panel
Fourth course	Cut 41" off, install right side of panel

As needed, notch 4" out of the corner of the nose of the panel at gable ends and valleys for drainage.

Trims & Accessories

One piece starter / drip edge

When joining starter strips together, cut off the top clip and overlap the next piece 2". The top clip will need to be cut back 4" anywhere a hip, valley, gable, head wall or side wall is located, to let the trim pieces attach properly. Place 1½" screws every six inches.

WeatherLok steel channel

The channel is positioned in valleys, gables, hips and sidewalls. When installing two pieces back to back in a valley, a 2" strip of mastic tape must be used to join them.

Valley and valley cap

Make sure the starter strip clip has been notched out 4" so the channel installs over the top of it and hangs past the eave by 1". Install two channels back to back in the center of the valley, running past the eave edge by 1". Continue adding channels along the valley starting at the bottom, overlapping each new channel by 6". Install 1½" screws every six inches along the fastening area. Place mastic tape over the back to back channel. Slide the valley cap into place over the channel and fasten each piece with a ¾" screw through the top of the cap into a channel clip. Valley covers should not overlap each other.

Gable fascia cover

Clip the stone coated fascia cover into the steel channel on the gables. Install additional covers without leaving a gap. Fasten with a panel screw every 3' along the fastening area.

Hip / ridge cap

Continue adding channels along the entire hip starting at the bottom, overlapping each new channel by 6". Install 1½" screws every two feet along the fastening area on each side of the channel. Fasten the ridge cap with a screw into both sides of the channel. Each piece locks into the previous one and is fastened with a ¾" screw through the top of the cap into the channel. Finish the ends by fastening a disk accessory panel to the end cap and into the ridge.

When the final top course of panel is installed, secure the first ridge cap directly to the panel with a 1½" screw. Each following piece locks into the previous cap and is fastened through the overlaps.

Head wall

When the top course reaches a head wall it may need to be cut. The head wall trim should tuck up under the siding and fasten into the panel. Add foam closure between the panel and the head wall trim. Where the trim cannot tuck under siding, or against brick or stucco, anchor the trim to the wall and run a bead of roof grade sealant along the head wall cover and the siding to seal. Overlap each additional head wall trim a minimum of 6".

Side wall

Install the channel against the side wall with 1" hanging past the eave and over the starter strip. Screw the channel every 2' with 1½" screws. Starting at the bottom, overlap all additional channels a minimum of 2". Clip the side wall cover onto the top clip of the channel. On dormer side walls, all channel overlaps the lower course panels by 2".

ROOF PENETRATIONS, PLUMBING VENTS AND PIPES

Complete all roof penetrations before installing the panel system. Install a blank penetration shingle without stone granules, then install the pipe jack. Cut a hole into the full panel so it fits snug around the pipe.

Roof venting

The system includes a WeatherLok Vent panel. Prepare the roof deck for attic venting by cutting into the roof sheathing. Determine how many vent panels will be used and their locations, then cut a rectangular hole 30" wide by 6" high. The vent panel installs like a normal panel: lock it into the panel below and secure it with the five pre-drilled screw holes.