

## INSTALLATION INSTRUCTIONS

### SPECTRA SHIELD GUTTER COVERS

Before application of SPECTRA SHIELD gutter covers the following steps must be taken to ensure proper performance of the product.

- 1: All gutters and down pipes must have all debris removed.
- 2: All gutters must be checked for proper drainage.
- 3: All straining devices or other existing gutter covers/guards must be removed.
- 4: All gutters must be secured properly to the structure.
- 5: Install on K Style or Ogee gutters ONLY.
- 6: Not recommended to install on homes with Steel or Ceramic Tile roofing, or with a roof pitch greater than 12/12.
- 7: This product is designed to work best if accompanied with a properly installed roof line, i.e. a level roof edge, roof decking applied with tar paper, and with a first row of shingles installed with a starter row of shingles.
- 8: At point of sale please account for unforeseen issues:
  - a. Gutters installed with improper pitch (gutters will need to be re-pitched)
  - b. Gutters installed high on fascia board (gutters will have to be lowered in order to attain proper cover pitch)
  - c. Gutters installed with spike and ferrule (in case of gutter lowering, gutters may be damaged)

**STEP 1:** Begin installing Spectra Shield on the lowest point of each gutter run/individual piece, then work your way piece by piece toward the high end of each gutter run/individual piece. (In case of a gutter run with its highest point in the center, begin on both ends and work your way towards the center). Install the Spectra Shield on top of the gutter by sliding the back section up to and under the first row of the roof shingle (in case of stuck shingles, use a flat tool to help loosen the connection) then lower and place the front lip of the Spectra Shield until it is firmly sitting on the front lip of the gutter. **\*\*It is important to maintain a 15-20 degree positive/downward angle from the back of the Spectra Shield piece to the front lip. Spectra Shield should never have a negative/backwards slant, whereby water would transfer back into the roofline and or home.**

**STEP 2:** After installing the first section at the lower end of the gutter, you can begin overlapping each proceeding piece. Each overlap of the Spectra Shield should cover a ½". (Before overlapping, notch out a ½" section of the front lip of each piece to insure a smoother look). When pieces are square and firmly in place, insert a ½" screw to the top of the front lip of the cover securing it to the gutter, at both ends and in the middle. Also insert a ½" screw at the overlap section, where the roof line meets the cover, adjoining both pieces.

**STEP 3:** At each end of the gutter (run) leave enough Spectra Shield to overhang so to form an end cap (folding down) into the gutter to prevent birds from nesting or squirrels getting into the attic. **\*\*Note, in the case that the gutter extends past the roof/gable edge, an additional piece of metal will need to be formed to close gap on backside of cover.**

**STEP 4:** Outside miters: should be hand cut to fit each corner. Outside miters are for aesthetics only; water will not flow at this section.

Inside miters: each front lip of Spectra Shield piece should meet at the inside corner of the gutter. This leaves a 'V shape' opening at the back of the gutter. In this opening apply aluminum screening or perforated aluminum. (Spray paint screen section with cover color to ensure color uniformity). In case of extra wide valleys, enlarging the 'V section' may be needed by angle cutting the backside of each cover piece. **\*\*In case of dormer valleys, or upper level gutters dropping down to lower level gutters by downspouts or elbows, an additional piece of screen may be installed on the lower level gutter cover to capture overflow water streams.**