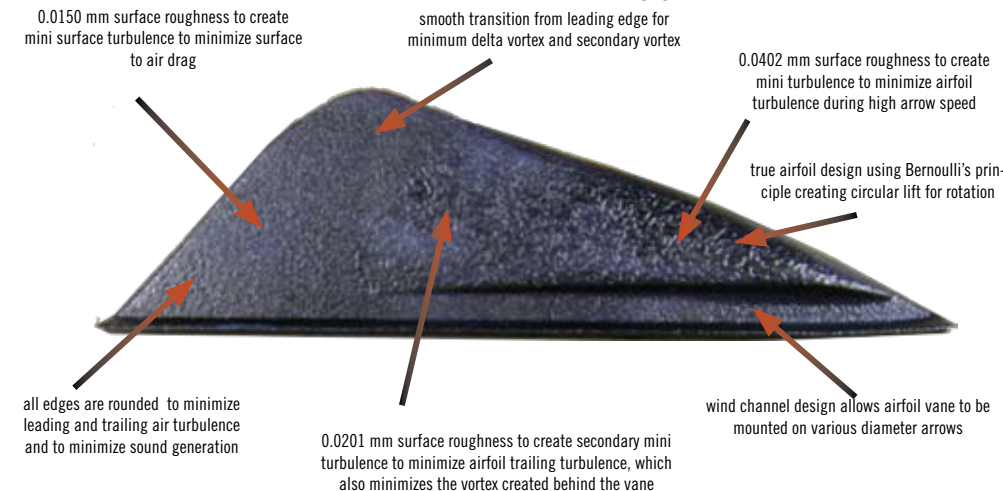
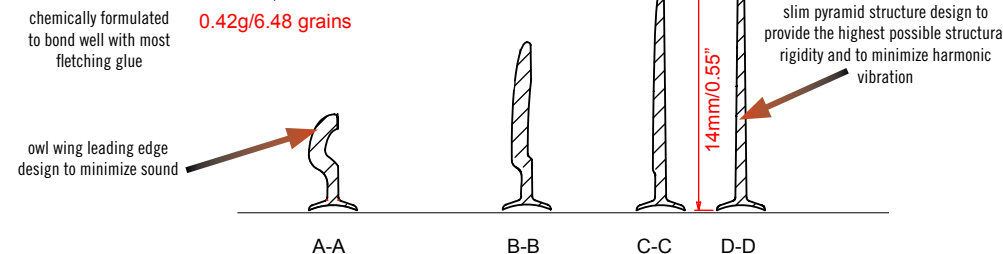
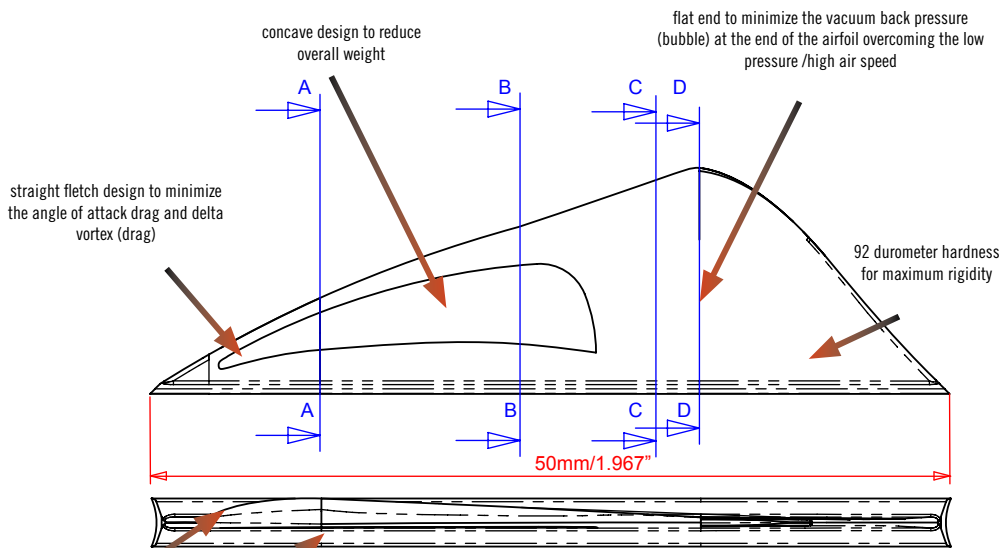


# Technical Aspects of Aerovane II

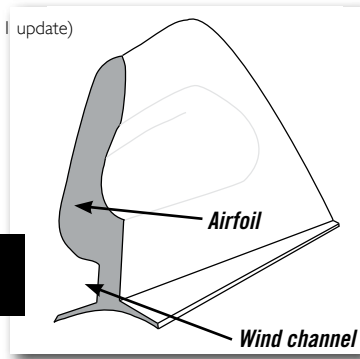


## Aerovane II is a vane that:

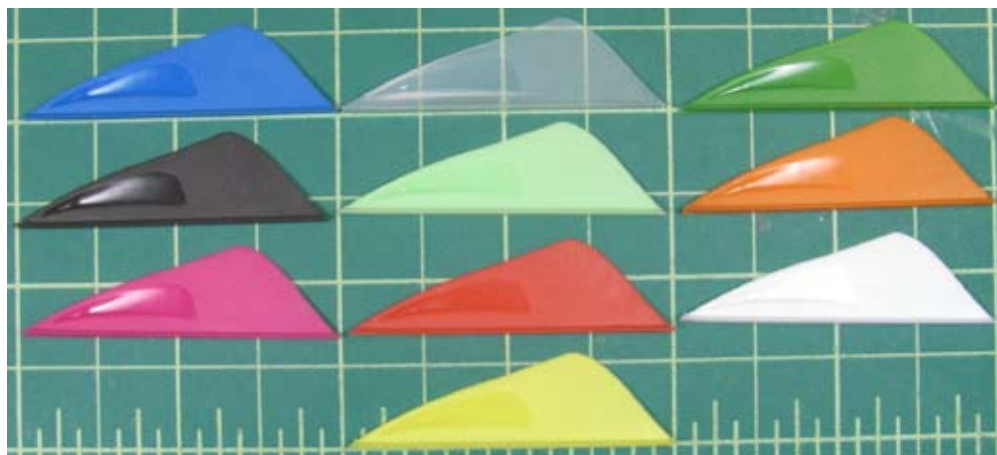
- Works the best with arrow speed no less than 290 FPS.
- Works best with worn out Whisker Biscuits arrow rest as it has the thick frontal end to open the bristles and allows the vane to pass with minimal drag.
- Has very little bending, flapping or fluttering due to structural integrity and material hardness (true ultra slim pyramid design).
- Uses airfoil technology to induce rotation compared to the high drag system that traditional "Helical" fletch utilizes.
- Will function well with full containment rest like AeroRest, Hostage Pro, QuickTune 360™ with uneven nock travel bows.
- Has a true owl wing frontal design (Modeled after the only bird that flies with no sound).
- Formulated to easily bond with CA glue, e.g. Firenock AG0600.
- Utilizes true airfoil design (continuous change of thickness and curved surface).
- Is made of a very rigid material for structural rigidity as in maximum steering.
- Has 3 different surface texturing for mini turbulence for maximum air speed. (2011 update)
- Identical 3 zone texturing on both side of the vane. (2011 update)
- Further reduce flexibility with thicker material. (2011 update)
- Does not generate much noise as traditional vanes when shot.
- Works the best with bow with close to perfect nock travel.
- Has higher down range speed than most common vanes.
- Must be fletched straight thus creating minimum drag.
- Has minimum surface to air drag with concave feature.
- Has minimum delta wing surface vortex, less drag.
- Has a wind channel for structural flexibility.
- Has minimum 1st or 2nd stage turbulence.
- For best result, fletch with Aerovane jig.

- PHYSICAL ASPECT
- Weighs 0.42 gram / 6.48 grains. (2011 update)
  - Length of 50mm/1.967"
  - Height of 14mm/0.55"

**Cross Section of Aerovane II**



Available in 10 colors:  
Blue, Clear, Green, Black, Lime, Orange, Pink, Red, White, and Yellow



## Is Aerovane II only good for targets, can broad head be used with it?

Aerovane II are great for both target and broad head flight. The inherited high spin design of Aerovanes would easily stabilize a broad head tipped arrow faster than traditional vanes & feathers. With that's said, one must however take into consideration the ultra spin rate of the Aerovane II, and look at the cross section of the broad head. The more it pushes air, the worst it will fly. Some of the expandable broad heads may not work well with the Aerovane II, because the vane spins the arrow so much it can deploy the blades in flight. With the Aerovane II fixed blade broad heads can also be used, even as big as 1 3/8 inch cut fixed blades. All truly secure expandable blade broad heads are good with Aerovane II.

From the tests Firenock LLC had commissioned, the broad head that shows the best results are:

- 1) Smoke: Ramcat
- 2) NAP: Nightmare or Thunderhead Edge
- 3) Rocky Mountain: Blitz
- 4) Trophy Ridge: Meat Seeker 3 blade