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Ferr-L-Tite: Cool Flex

Cool Flex is the newest addition to the Bohning line of insert adhesives. It is a soft melt with a relatively low melt temp and is a very easy material to work with. Cool Flex was specially formulated with carbon arrow inserts in mind. It is a royal blue color which allows for it to be easily identifiable as well as to see placement and coverage on the insert. Cool Flex is easy to apply and even easier to adjust or remove. One stick will adhere 24-30 inserts.

Application:

Be sure that both the interiors of the carbon shafts and the proper sized inserts are clean before beginning. Screw a point into the insert (field tip). Start the heat source (alcohol burner). Use a pair of pliers to hold the tip so as to apply the flame to the insert itself. Hold in the flame for 15 seconds and then using the pliers as the handle still, roll in the Cool Flex covering the entire insert that will be in the shaft. Twist while placing into the shaft until it is fully inserted; wipe excess with a rag or with paper towel. Place arrow, point side down in a cup with cold water or run under a cool faucet to set the adhesive and cool down the insert and tip. Dry and it is immediately ready to shoot.

Adjustment/Removal:

To **adjust** how the insert is oriented in the shaft to line up broadheads with the vanes: Get a cup of HOT tap water, as hot as your faucet will allow, and dip the point end of the arrow into it. Let this sit for 10 seconds. Take a pair of pliers (or broadhead wrench) and with the tip still in, rotate clockwise (so as to not unscrew) the tip and insert until desired location is attained. Do not remove the insert while adjusting; this may lead to decreased strength and reapplication of Cool Flex. The heat from the hot tap water will allow the Cool Flex to loosen up. When desired position is attained, place in cold water, full strength will return once room temperature. To **remove**: a very similar process to adjusting the point but instead of rotating the insert and point with the pliers, now pull straight out (being careful of sharp points and blades). The warmer the water, the less force it will take to remove. Below is a table with approximate values of temperature to strength needed for removal of insert.

Temperature °F	Description	Force Needed for Removal
72	Room Temperature	120-180 #
100	Warm Summer Day	80-90 #
140	Normal Hot Tap Water	45-50 #
175	Applied Heat	14-17 #
~200	Boiling	4-7 #