

## QuickBurst Pyrogen Kits

QuickBurst currently produces four different Pyrogen kits. Each serves a different purpose with a small amount of overlap. Here are the most common uses for each. Let me say that flyers are a very resourceful bunch and I can not define each and every use for each product.

### **QuickDip**

QuickDip is a fast hot burning pyrogen used to produce motor starters and paint the inside top of the upper grains core in a reloadable motor system or EX motor. It targets the mid to high power flyers and will easily start D through J class motors. I'm sure there are flyers that have used it to light larger motors. The flyers are a resourceful bunch. Typically a Hot Wire Coil is added to a lead wire and used to ignite the QuickDip which in turn ignites the flyers motor. Most of the time it is used for ground starting motors at sanctioned launch events. QuickDip is a great product for making a large quantity of starters for general use at lower cost. QuickDip is the most popular of the pyrogen kits.

### **H-3**

H-3 is designed to be used with commercially available E-Match blanks. You dip the end of your blank in the H-3 and you have created an E-Match. It can also be used to enhance the Estes igniters to increase the chance of ignition substantially.

### **Hot Shot Conductive Mix**

The Hot Shot Conductive Mix is used to make Black Powder motor starters. It targets the Black Powder flyers. It is conductive so a hot wire is not needed. It also can be used to enhance the newer clear Estes Igniters.

### **ProCast**

ProCast is in a field of its own. It's versatile and can be used for a number of things. It requires heat to get going so a conductive primer, hot wire ignition or an E-Match is the norm. It combusts rapidly pre pressurizing the motor, produces a great deal of heat and gets things going rapidly, very rapidly. It can be cast into most any shape including pellets, dipped starters or whatever floats your boat. It targets the High Power Crowd and can be used for Air Starts since very low current starters can be produced using it. It is also ideal for very large motors where head end ignition is desired. A basket of sorts is fabricated to sit just under the forward closure, this basket holds a given number of precast pellets and an E-Match is used to get the ball rolling.

Additionally:

- ProCast may be dipped over other types of starters, such as e-matches and conductive dips (Hot Shot Conductive Mix).
- ProCast can be used in smaller quantities for small starter heads to fit smaller nozzles.
- ProCast is a perfect choice for lighting upper stages or clusters faster and more reliability.
- ProCast can be molded into small pellets for higher surface area for fast ignition of large motors.
- ProCast may be used to dip Estes Solar Igniters, especially the latest clear ones for fast reliable ignition.

**Please note**

These products are intend to be used for amateur rocket motor ignition only. Any use of these products outside of the manufacturers intended use is not suggested or supported. Use of the product outside of the manufacturers intended use is done at your own risk.