

Wetzel Binary System

Wetzel Pyrotechnics – 125 Eagleton Cir Moyock NC 27958

Binary Safety System Version 2

Benefits of the Wetzel Binary System

- Single use design that is inexpensive
- Transport of materials is not considered explosives since the binary materials are not mixed
- Does not have to be stored in an ATF approved magazine
- Can be ordered loaded or unloaded for your needs, currently there are 3 formulations available, distraction, ematch version and BYOE (bring your own explosives) systems.
- The benefit in using this method with your binary explosives is that the materials are in a sealed container during transport and less likely to experience friction or shock that could prematurely set off your material.

Ordering

Individuals wishing to order the **BYOE version** do not have to have an ATF license to purchase the system consist of the collar, tubes, and proprietary non caking agent, none of which are classified themselves as an explosive. All **preloaded systems** require a valid B-ATFE explosives license as well as a statement of intended use prior to ordering, hazmat shipping and proper documentation. Note that no verification of storage is required because the materials are non-explosive materials when shipped or stored.

Loading/Assembly

When you receive your binary system, all components will be included. The system consists of 2 tubes with plugged ends, collar with separator, anti-caking agent and epoxy. To assemble your system requires the following steps.

1. Load your fuel in one of the included tubes (smaller tube) marked fuel, set aside.
2. Load your oxidizer in the second (larger tube) marked oxidizer, open the non-caking agent (included) and add to the oxidizer, do not shake, or mix just put the material on top of the oxidizer.
3. Inspect the separator, ensure that the heavy cardboard separator is intact. If the separator is not intact, DO NOT USE the damaged separator, send it back to us for a replacement.
4. Prepare your epoxy in the included mixing tray and using the included wooden stirrer apply a liberal coating on the open end of the fuel mixture about ¼” inside the tube.
5. Push the florescent orange collar into the fuel mixture tube, it does not matter in which direction you insert the tube.
6. Flip the fuel and collar over and repeat the process with the oxidizer, put ¼” of epoxy on the cardboard tube and push the previously assembled tube and collar into the second (larger) fuel tube.
7. Let the device dry a minimum of 1 hour, 24 hours is the cure time for the epoxy and the longer you wait, the better the seal.

Wetzel Pyro

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