



## **About DYNA-TEK Bore Coat**

*Instructions provided herein by John Barsness*

**DYNA-TEK Bore Coat was developed to eliminate or greatly reduce all types of fouling that occurs in firearm bores. The following information describes how DYNA-TEK Bore Coat affects different firearms.**

### **RIFLES:**

DYNA-TEK Bore Coat will stop or greatly reduce jacket foul. It will greatly reduce powder fouling, allowing the shooter to shoot longer strings without cleaning. It will also allow the shooter to shoot different types and brands of bullets during load development without cleaning. Cleaning is done with patches, nylon bore brush, and solvent only. An average of 10 strokes with a nylon brush and solvent followed by 3 dry patches will clean the majority of treated barrels, even after strings of over 800 rounds!

### **HANDGUNS:**

DYNA-TEK Bore Coat does for handgun bores what it does for rifles. It also makes lead fouling much easier and faster to clean. It also allows the shooter to run lead and jacketed bullets interchangeably.

### **SHOTGUNS:**

DYNA-TEK Bore Coat eliminates or drastically reduces plastic wad fouling in the bore. Clean-up can be done in most cases with nothing more than a dry bore mop.

### **MUZZLE LOADERS:**

DYNA-TEK Bore coat applied to closed breach black powder muzzle loaders using pellets and 209 primers, will eliminate the carbon ring build-up allowing the shooter to fire for prolonged periods without stopping to clean. Some testing has gone as long as 4,000 rounds without

cleaning. It eliminates the plastic fouling in the bore caused by sabots. It also reduces leading and makes it easier to clean. Between rounds apply a small amount of Windex or alcohol to a patch and run it through the bore, followed by 2 dry patches and you are ready to load and fire.

TACTICAL WEAPONS: DYNA-TEK Bore coat will help maintain a clean barrel during continuous shooting. It will also dissipate heat more quickly from the bore allowing for longer shooting periods.

#### **What DYNA-TEK Bore Coat Will Do**

- It will greatly reduce or in most cases eliminate jacket fouling.
- It will allow you to shoot extremely long strings without cleaning.
- You will never need a bronze bore brush in the bore again; all cleaning is done with a nylon brush, or patches and solvent. It takes an average of 4-8 patches and you're done.
- It will help protect against corrosion, both galvanic and chemical.
- It will keep the barrel shooting up to its potential for longer periods of time.

#### **What DYNA-TEK Bore Coat Will Not Do**

- It will have no effect on velocity, point of impact, or group size.
- If the barrel is a dog to start with, it will still be a dog after applying DYNA-TEK Bore Coat. But it will be the easiest cleaning dog you've ever owned.

#### **More About DYNA-TEK Bore Coat Application**

- Average thickness in all bores once applied and cured is .25 microns.
- DYNA-TEK Bore Coat is applied to a clean (to bare steel; see below) bore with a loose fitting patch and slotted patch holder or a new clean bore mop. After setting at least six hours, the user puts 8 to 10 rounds down the bore to cure the coating. The coating is cured by the heat and pressure of firing. The longer you shoot with DYNA-TEK Bore Coat, the better it performs.

## **Testing Results**

Initial testing for DYNA-TEK Bore Coat was done in 30 caliber FN Machine Guns and 50 BMGs. Testing was started in these weapons 3 years ago. All coated bores the bores are still performing as new. One application of DYNA-TEK Bore Coat every 2 years is good for the useful life of the bore. If you are a very light shooter, one application should last for the useful life of the bore.

## **Cleaning a Barrel to Bare Steel**

*(Safety glasses and disposable gloves recommended)*

The proper installation of DYNA-TEK Bore Coat involves first cleaning the bore down to bare, dry steel. Otherwise the coating won't be sticking to the steel, but to the powder, lead or copper fouling.

1. Ensure firearm is unloaded and free of any ammunition
2. Clean out all loose powder fouling using a cleaning solvent and clean patch. Soak patch with solvent and push through bore and pull back 6 to 8 times. Change patch and repeat this 6 to 8 times or until patch comes out clear of any powder fouling.
3. Using a clean or new (this is critical) correctly sized brass bore brush, wrap it with a clean, thick cotton patch and liberally soak with JB Bore Cleaner. This has a fine abrasive that will remove fouling but not affect the base metal.
4. Run this brush/patch combination back and forth inside the barrel 30 times reapplying fresh JB to the patch every 10 strokes. The brush/patch must fit the barrel tight and should take considerable force to move it and to insure the cleaning compound is working. If it is at all loose, wrap another patch around the brush and reload it with fresh JB and continue.
5. Clean the bore again with a cleaning solvent and several patches to remove the abrasive bore cleaner.

6. Use a chemical copper solvent to remove any remaining trace amounts of copper fouling, following the manufacturer's instructions. Normally this requires 3 cycles to complete.
7. Degrease the bore with 3-6 patches and either denatured alcohol or acetone and allow to dry.
8. The bore is now completely clean to bare metal and ready for the application of DYNA-TEK Bore Coat.

***Thanks to John Barsness for the excellent bore cleaning instructions detailed above.***