



# PHANTOM FIXX PFX CERIUM STEP-BY-STEP DIRECTIONS



Cerium Oxide is a polishing material to reduce and remove scratches, remove mineral deposits, and provide a fine luster polish to all types of glass surfaces... Used by glass manufacturers and other glass professionals, cerium oxide is easily mixed with water to create a slurry mixture for use with a hand pad or polishing tool.

#### WHAT YOU WILL NEED:

1. PFX I or II CERIUM OXIDE
2. Two plastic tubs, pint or quart sizes
3. Tap water
4. Lint-free cloths or paper towels
5. 3 inch felt polishing wheel to attach to drill
6. Electric or rechargeable drill

#### STEP #1:

Fill one of the tubs halfway with tap water. Place the felt polishing wheel into the tub of water allowing it to dampen while the cerium oxide polishing compound is mixed.

#### STEP #2:

In second tub place approximately two tablespoons cerium oxide. Add a small splash of water.

Using a small spatula or popsicle stick, stir the cerium oxide mixture until it mixes with water to create a paste. Continue stirring and adding small amounts of water until the cerium slurry is the consistency of heavy cream.

#### STEP #3:

Make sure the glass surface you'll be working on is clean before you begin the process. Dampen surface thoroughly with a clean lint-free towel.

#### STEP #4:

Attach the dampened 3" felt polishing wheel to the electric or cordless drill. (Felt wheel should be damp, not dripping wet.) Lightly dip felt polishing wheel into the cerium oxide polishing slurry, allowing excess to drip back into the tub.

#### STEP #5:

Beginning slowly, buff target area from side to side using moderate pressure. Slowly increase speed as required. Keep the felt polishing wheel moving from side to side AT ALL TIMES and use moderate pressure.

**ALWAYS BE SURE THE SURFACE IS SUFFICIENTLY DAMP WHEN WORKING ON IT.**

Eventually, a dry film will form over the target area. STOP buffing before this film is completely dry. Buffing dry glass can overheat the surface, causing it to crack.

#### STEP #6:

Simply wipe dried slurry off and assess progress. The process can be repeated as necessary should scratches or stains still be visible. Leftover compound can be stored in the tub tightly covered. Adding water and mixing vigorously can restore any dried out slurry for future use.

PHANTOM FIXX Cerium should be used on glass surfaces ONLY. Universal Photonics offers polishes specifically for plastics and other materials and can be found at [www.universalphotonics.com](http://www.universalphotonics.com). For best results, a pneumatic random orbital polishing tool or water proof electrical random orbital polishing machine is recommended.

**SAFETY WARNING** - USE WITH COMMONLY ACCEPTED INDUSTRIAL SAFETY PROCEDURES. ALWAYS USE PROPER SAFETY EQUIPMENT! ALWAYS WEAR EYE, BREATHING, HAND, AND BODY PROTECTION WHEN USING CERIUM OXIDE ON GLASS. DO NOT USE ANY OF THE TOOLS FOR FOOD STORAGE OR PREPARATION AFTER USING TO MIX OR STORE CERIUM OXIDE. DETAILED SAFETY INFORMATION, MSDS, FOR THIS PRODUCT IS AVAILABLE BY CALLING 516.348.8265.