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## Direct Application using PRO QuickFix

Please read directions carefully before starting.

*PRO QuickFix is a dye fixative used when painting with MX Reactive Dyes. PRO QuickFix also works to set the color in an emergency when the alkali fixative was forgotten in the dye paint or the fabric not pre-treated in a soda ash soak.. It will not work in an immersion dye bath. PRO QuickFix will not work on wool. It is important to sample before working on large projects. For additional information visit our web site at **[www.prochemical.com](http://www.prochemical.com)**.*

- ✘ Wear rubber gloves, apron or old clothes.
- ✘ Utensils used for dyeing should not be used for food preparation.

### Supplies

PRO MX Reactive Dyes  
PRO QuickFix  
Urea  
Synthrapol  
Metaphos (optional, but use if you have hard water)

### Procedure

**1. Scour the fabric** by machine washing in HOT 140°F (60°C) water, or by hand in a pot on the stove with ½ tsp (2 gm) Soda Ash and ½ tsp (2.5 ml) Synthrapol per pound of fabric (454 gm, or 3 to 4 yards cotton muslin, or 8 yards 8mm China Silk, or 3 Medium T-shirts, or 1 sweatshirt). Rinse thoroughly. This step does not add the dye fixative to the fabric; it prepares your fabric for dyeing by removing any dirt, oil or sizing.

**2. Make the Print Paste, if working with thickened dyes.** (Omit this step when painting with unthickened dyes). Measure 5½ Tbl (55 gm) PRO Print Paste Mix SH or F into a dry container. Measure 1 cup (250 ml) of warm 110°F (44°C) water into another container. Add measured PRO Print Paste Mix to the water while stirring rapidly. Continue stirring until you obtain a smooth paste. Let paste stand 1 hour or overnight for smoothest results. Unused paste should be kept in a closed container. Store prepared print paste without dye up to six months.

**3. Make the Urea Water** by mixing together the ingredients below. Allow Urea Water to cool to room temperature before using. Store unused Urea Water at room temperature in a closed container. Discard it if you detect an ammonia smell.

9 level Tbl (100 g) Urea  
1 level tsp (7 gm) Metaphos (optional, but use if you have hard water)  
1 quart (1 liter) warm 110°F (44°C) water

#### 4. Make the Dye Paint:

##### Unthickened Dye Paint

Measure the desired amount of dye powder, from the chart below, into a 1 cup (250 ml) container. Thoroughly dissolve with just enough Urea Water to make a lump free paste (approximately ¼ cup, or 60 ml) Once dissolved, add additional Urea Water to make 1 cup (250 ml). Stir until thoroughly mixed.

##### Thickened Dye Paint

Thoroughly dissolve desired amount of dye powder, from the chart below, with just enough Urea Water to make a lump free paste (approximately ¼ cup, or 60 ml.) Add prepared Print Paste to make 1 cup (250 ml). Stir until thoroughly mixed. The Dye Paint thickness described here is a guideline. Experiment until you get the thickness that suits your application needs.

For each cup (250ml) of dye paint, use the amount of MX Reactive Dye listed below for the desired shade.

Pale	Medium	Dark	Black
½ tsp (1 gm)	2 tsp (5 gm)	4 tsp (10 gm)	8 tsp (20 gm)

#### 5. Paint your fabric

Print or paint your fabric and allow the painted fabric to air dry thoroughly.

#### 6. Set the dye

Use PRO QuickFix on cotton, silk and other plant fibers to set the dye. Pour PRO QuickFix, from the squeeze bottle, into shallow pan or container. Using a wide soft brush or paint roller, apply PRO QuickFix to the right side (painted side) of your dry fabric. Use a minimum of brush strokes to avoid smearing your design. Let the PRO QuickFix dry a little bit, then cover your fabric with plastic/plastic wrap and let sit for 1 hour, preferably in a room where the temperature is above 70 °F (22 °C). We've found that the warmer the cure temperature, the darker the final color.

**7. Rinse the fabric.** After 1 hour, rinse fabric thoroughly in a bucket of room temperature 75° to 95°F (24° to 35°C) water. Change the water 3 to 4 times. Then wash with very HOT 140°F (60°C) water adding ½ tsp (2 ml) Synthrapol per pound (454 gm) of fabric. Rinse well and dry. Black and very dark colors may need a second HOT Synthrapol wash.

**8. Neutralize silk fabric** in a bath that is made by adding 11 teaspoons (55ml) white distilled vinegar to every gallon (4 liters) of warm 105°F(41 °C) water, for 10 minutes. Rinse fabric thoroughly in a bucket of room temperature 75° to 95°F (24° to 35°C) water. This step is only necessary when dyeing silk fabric.