

PROfab Color Concentrates

Please read directions carefully before starting

*Make your own Textile paint using PROfab Color Concentrates, Transparent, Opaque or Pearlescent Extender, and Lo Crock Binder. All colors are inter-mixable, water based for easy clean up, brilliant in color and permanent. Suitable for white or lightly colored natural or synthetic fibers without soil release or water repellent finishes. **Always test before production runs for adhesion, coverage, washfastness and other specific requirements.** For additional information visit our website at www.prochemicalanddye.com.*

Stir paints well, before using.

Wear an apron or old clothes.
Never use paint utensils for food preparation.

Supplies

PROfab Color Concentrates: Water based concentrated pigments that have no affinity for staying on the fabric without Extender or Lo Crock solution.

PROfab Extender: Transparent and colorless base (is milky white with a consistency of mayonnaise) for making textile paint. It is possible to mix intense or pastel shades by varying the amount of PROfab Color Concentrate. Also, available are Opaque Extender and Pearlescent Extender to give you total control over depth of shade, viscosity, transparency, opacity, pearlescence, and texture.

Lo Crock Binder: Concentrated binder for holding color on fabric, used to make a thin paint and flow like watercolors.

Procedure

1. Make the textile paint. Decide whether you want to make a pale, medium, or dark value and a thick or thin paint.

For thin paint make the Lo Crock solution outlined below. Mix it in a one quart (1 liter) container:

- 3 cup (750 ml) water
- 1 cup (250 ml) Lo Crock Binder

Thick paint

Thick textile paint is ideal for stenciling, screen printing, and stamping. To make a thick textile paint mix:

- 1 cup (250 gm) of Transparent Extender, Pearlescent Extender or Opaque Extender.
- PROfab Color Concentrate

Thin paint

Thin textile paint is ideal for air brushing and watercolor techniques. To make a thin textile paint mix:

- 1 Tbl (15 gm) PROfab Base Extender
- 1 cup (250 ml) Lo Crock Solution
- PROfab Color Concentrate

For each cup of thick or thin textile paint add PROfab Color Concentrate from the chart below.

Pale = 2 tsp (10 gm) Medium = 5 tsp (25 gm) Dark/Black = 8 tsp (40 gm)

2. Scour your fabric by machine washing in HOT 140F (60C) water, or by hand in a pot on the stove with ½ tsp (2 ml) Synthrapol and ½ tsp (2 gm) PRO Dye Activator per pound of fabric (454gm, or 3 to 4 yards muslin, or 3 medium T-shirts) Rinse thoroughly, dry and iron as necessary.

3. Apply textile paint to fabric by screen print, block print, hand paint, air brush, or stencil. Air dry textile paint before heat setting. Clean utensils with soapy water. If you are printing one color over another, best adherence takes place when wet paint is applied over still damp paint without heat setting in between. This is known as wet on wet printing.

4. Heat set fabric paint. After applying paint to fabric, air dry thoroughly and heat set using one of the four methods outlined below.

- Iron at the hottest setting appropriate for your fabric from the back side for 5 minutes *OR* place a clean dry cloth over the front of the design and iron for 5 minutes. Do not use steam. Keep the iron moving to prevent scorching.

- In a commercial clothes dryer for 45 to 60 minutes or in a home clothes dryer for 60 to 90 minutes. Use the hottest setting on the dryer.

- Screen printers dryer for 1½ minutes set at 350F (180C).

- Loosely roll fabric between layers of unprinted newsprint and place in a dry oven for 2 to 3 minutes at 350F (180C).

5. Do not wash for 10 to 14 days after fabric is heat set. Wash fabric with lukewarm water, gentle agitation and mild detergent. If patterned item is a garment, turn it inside out for washing.

Below are just a few color mixing guidelines from three standard colors, Lemon Yellow 10, Red 35 and True Blue 45.

Brilliant Orange

3 parts Yellow CC 10
¼ part Red CC 35

Plum

½ part Blue CC 45
1 part Red CC 35

Blue Violet

1½ parts Blue CC 45
1 part Red CC 35

Chartreuse

¼ part Blue CC 45
2 parts Yellow CC10

Grass Green

1 part Blue CC 45
2 parts Yellow CC 10

Dark Green

1½ parts Blue CC 45
1 part Yellow CC 10

Brick

¼ part Blue CC 45
1 part Red CC 35
3 parts Yellow CC 10

Brown

1 part Blue CC 45
1 part Red CC 35
1 part Yellow CC 10