

Warp Painting on Cotton & Silk

Please read directions carefully before starting

Use this method to hand paint on Cotton, Linen, Rayon and Silk warps. Always do test samples before working on a large project. For additional information, please visit our website at www.prochemicalanddye.com

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

Supplies

PRO MX Reactive Dye
PRO Dye Activator or Soda Ash

Synthrapol
Urea
PRO Print Paste Mix SH - OPTIONAL

Procedure

- 1. Make the Soak Solution.** Dissolve 4 Tbl + 1½ tsp (40 gm) PRO Dye Activator in ½ gallon (2 liters) of warm 95°F (35°C) water.
- 2. Prepare the warp.** Stretch the warp on a table covered with plastic. While wearing rubber gloves, dip a large clean sponge or foam brush into the soak solution and liberally apply it to the warp. DO NOT rinse the warp. You can dye paint the warp while it's wet from the soak solution or let it dry before painting. This soak solution can be kept indefinitely at room temperature in a closed container and can be reused to soak more yarn.
- 3. Prepare the Print Paste.** (This step is optional. If you do not want to thicken your dye, move on to Step 4.) Measure 5½ Tbl (55 gm) PRO Print Paste Mix SH into a dry container. Measure 1 cup (250 ml) of warm 110°F (44°C) water into another container. Add the measured PRO Print Paste Mix to the water while stirring rapidly. Continue stirring until you obtain a smooth paste. Let the paste stand 1 hour or overnight for smoothest results. Unused paste should be kept in a closed container. Store the prepared print paste without dye up to six months. Discard if you detect an ammonia smell.
- 4. Make the Urea Water.** Dissolve 13 Tbl + 1½ tsp (150 gm) Urea in 1½ quart (1½ liter) HOT 120°F (49°C) water. Allow to cool to room temperature before using. Discard if you detect an ammonia smell.

5. Make the Dye Paint. The Dye Paint thickness described below is a guideline. Experiment until you get the thickness that suits your application needs. Dye Paint is ready to use on presoaked warp. Discard dye paint after 3 to 4 days. If the warp does not absorb the dye quickly, add 3 to 4 drops of Synthrapol to the dye paint.

Thin 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.) Thicken with prepared Print Paste, usually 1 to 2 tsp, then add Urea Water to make 1 cup (250 ml). Stir until thoroughly mixed.

Watery 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.) Then add Urea Water to make 1 cup (250 ml). Stir until thoroughly mixed.

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

6. Fix the dye. Allow the warp to "cure" by covering it with plastic for a minimum of 4 hours for pastel shades and up to 24 hours for Turquoise and dark shades. Room temperature must be above 70°F (22°C).

7. Rinse the warp thoroughly in a bucket of room temperature 75° to 95°F (24° to 35°C) water. Change the rinse water 3 to 4 times. Then wash with very HOT 140°F (60°C) water adding ½ tsp (2.5ml) Synthrapol per pound (454 gm) of yarn. Rinse the warp well. If the rinse water is not clear, then wash the yarn again in HOT water with Synthrapol. Once rinse water is clear, squeeze out excess water and air dry.