

PROCION MX FABRIC DYES

IMMERSION TIE-DYE BATIK

INTRODUCTION

Procion MX Fabric Dyes are permanent, colourfast and very washable. You can easily create a palette of brilliant colours by using the colours in different amounts to produce pastels or rich jewel tone colours. An unlimited pallet can also be achieved by mixing colours. Procion MX Fabric Dyes can be used on all 100% NATURAL fabrics: Cotton, Linen, Silk, Rayon, Hemp and Wood.

IMMERSION DYEING INSTRUCTIONS

FOR 'DUNK' DYEING

Instructions are for any one pound of dry fabric. With larger quantities, multiply the formula below to accommodate the extra amount of fabric.

- Pair of jeans = 1 lb.
- Two to three T-shirts = 1 lb.
- Cotton twill pant = $\frac{3}{4}$ lbs.
- Dress shirt = $\frac{2}{3}$ lbs.
- Denim overall = about 2 lbs.
- 3 yds of cotton = 1 pound
- Cotton sweater = 1.5 lbs.
- Duvet cover = about 3 lbs.

Materials Needed:

- 25gm of Procion MX Dye (double for black) - medium intensity. Double for darker shade or less than 25gm for lighter intensity.
- 2 Cups Non-Iodized Salt (500 gm) = sea or kosher salt
- 4 Tbs. Sodium Carbonate (60 gm)
- Gloves
- Stirring Stick
- Water
- T.N.A. Soap

Instructions:

1. Wash fabric with $\frac{1}{2}$ oz of T.N.A Soap to remove dirt and sizing.
2. Dissolve dye and salt in 2 liters of hot tap water.
3. Add 5 liters of warm water.
4. Wet fabric and place into dye bath.
5. Stir as much as possible for 30 minutes
6. Fully dissolve Sodium Carbonate in 3 cups of hot tap water and add to the dye bath.
7. Stir for at least 30 minutes more.
8. Take fabric out and rinse under cool water until clear. Use Raycafex if dyes bleed persistently. Wash as usual with $\frac{1}{2}$ oz. of T.N.A Soap.

DIRECT DYEING INSTRUCTIONS FOR TIE-DYEING AND GRADATION DYEING

General Supplies

- 5 Tbs. Of Sodium Carbonate
- 2 Cups Non-Iodized Salt
- Hot Tap Water
- String or Elastics (for tie dyeing)
- Plastic Bag or Drop Sheet
- T.N.A. Soap
- Large Bucket
- Gloves, Mask

For each colour

- 2-5 tsp. of Procion MX Dye (depending on intensity)
- 3 tsp. of Urea

Instructions:

1. Wash fabric with 1 Tbsp. of T.N.A Soap to remove dirt and sizing.
2. Dissolve the Carbonate and Salt in 4-5 L of hot tap water and soak the fabric for 20 minutes. Squeeze excess solution back into the container. The fabric should be just damp. Keep the remaining solution for future use. For tie-dyeing, tie fabrics to desired patterns before soaking.
3. Dissolve the required amounts of dye and urea in one cup (250mL) of hot tap water. Solution will last two days but the colour is strongest if used in the first four hours.
4. Place fabric into a bowl or onto plastic drop sheets. Apply the dye solution(s) by brushing, pouring or sponging onto desired areas.
5. Cover the fabric with another drop sheet or place in bowl and seal with plastic wrap.
6. To set, follow ONLY one of the following two methods;
 - i) Microwave on high for 4-5 minutes. Take out package and leave at room temperature for a few hours. When cool, process with Raycafex Dye Fix.
 - ii) Leave covered or bagged for 24-48 hours at room temperature.
7. Take fabric out and rinse under cool water until clear. Use Raycafex if dyes bleed persistently. Wash as usual with $\frac{1}{2}$ oz. of T.N.A Soap.

Notes:

- Some dye may come out in subsequent washes. As a precaution wash garment separately initially. If persistent wash with Raycafex Dye Fix.
- Common sense should be used when handling any dye or chemical. Prolonged inhalation of dye powder can cause an allergic reaction in some people. Avoid breathing the powder and wear a dust mask and rubber gloves. Keep out of eyes and mouth and always supervise children. Keep dyes in a closed container in a cool dry place. In an emergency please contact retailer or refer to MSDS.