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Jacquard PMX2072

Jacquard Procion MX Dye User Manual

Brand: Jacquard | Model: PMX2072

INTRODUCTION

The Jacquard Procion MX Dye is a cold water fiber reactive dye designed to create vivid, uniform, and permanent colors on natural fibers. This dye is known for its washfast and fade-resistant properties, making it suitable for a variety of textile art applications including tie-dye, immersion dyeing, and shibori. This manual provides detailed instructions for safe and effective use of the product.



Image: A container of Jacquard Procion MX Medium Blue dye, 8 oz size.

SAFETY INFORMATION

When working with dyes, it is important to follow safety guidelines to prevent exposure and ensure a safe working environment.

- Always wear protective gloves and eye protection to avoid skin and eye contact.
- Work in a well-ventilated area to minimize inhalation of dye powder.
- Keep dye and all related chemicals out of reach of children and pets.
- Avoid ingesting the dye. In case of accidental ingestion, seek immediate medical attention.
- Protect work surfaces with plastic sheeting or old newspapers to prevent staining.

SETUP

Materials Needed:

- Jacquard Procion MX Dye (Medium Blue)
- Soda Ash Dye Fixer (Sodium Carbonate)
- Non-iodized salt (for immersion dyeing)
- Synthrapol (or a pH neutral detergent)
- Warm water
- Measuring spoons/cups
- Mixing containers (non-food use)
- Stirring utensils (non-food use)
- Protective gloves and eye protection
- Plastic sheeting or newspaper to protect surfaces
- Fabric to be dyed (natural fibers like cotton, linen, hemp, rayon, bamboo, viscose are recommended for best results)

Workspace Preparation:

Choose a well-ventilated area, preferably outdoors or in a room with good airflow. Cover all work surfaces with plastic sheeting or newspaper to protect them from spills and stains.

Fabric Preparation:

1. Pre-wash your fabric thoroughly to remove any sizing, oils, or dirt that could interfere with dye absorption. Use a pH neutral detergent like Synthrapol for this step. Rinse well.
2. Prepare a soda ash solution: Dissolve 1 cup of soda ash per gallon of warm water. Submerge your pre-washed fabric in this solution for 15-30 minutes. This step is crucial for the dye to bond permanently with the fabric fibers.
3. Wring out the excess soda ash solution from the fabric. The fabric should be damp, not dripping wet, before dyeing.

Pretreat your fabric
with soda ash to
make the dye
permanent



Image: A piece of fabric being pre-treated with soda ash solution to prepare it for dyeing.

OPERATING INSTRUCTIONS

Dye Preparation:

- For average, medium colors, use approximately 1 tablespoon of dye powder per 3 gallons of water and 1 pound of dry fabric. Adjust dye quantity for desired color intensity.
- Dissolve the dye powder in a small amount of warm water first to create a smooth paste, then add it to the main dye bath.
- For immersion dyeing, add non-iodized salt to the dye bath. The amount of salt depends on the desired shade intensity. For darker shades, use approximately 3 cups of salt per 3 gallons of water. Dissolve the salt completely before adding the dye.

One $\frac{2}{3}$ oz bottle will dye more than 1 lb of dry fabric



Image: An assortment of Jacquard Procion MX dye containers in different sizes, along with dyeing tools like squeeze bottles and urea.

Dyeing Process (Immersion Dyeing):

1. Ensure your pre-treated fabric is damp.
2. Carefully submerge the fabric into the prepared dye bath.
3. Stir the fabric frequently for the first 15 minutes to ensure even dye absorption and prevent streaks.
4. Continue to stir occasionally for the next 30-60 minutes, or until the desired color depth is achieved. Longer immersion times generally result in deeper colors.
5. Carefully remove the dyed fabric from the dye bath.



Tie dye by
Emkay_dyes



Tie dye by
Tawny
Frederickson

This cool water, fiber-reactive dye works well for:
Tie dye, ice dyeing, direct painting, shibori, and batik



Art by Ikaro Batik



by Munirah Rimer

Image: Examples of various dyeing techniques including tie-dye, ice dyeing, direct painting, shibori, and batik, showcasing the versatility of the dye.

MAINTENANCE (POST-DYEING)

Rinsing:

1. Rinse the dyed fabric under cold running water until the water runs clear. This removes excess, unbonded dye.
2. Gradually increase the water temperature to warm, then hot, continuing to rinse until no more dye bleeds from the fabric.

Washing:

- Prepare a wash bath with warm water and 1.5 teaspoons of Synthrapol per 3 gallons of water. Synthrapol is an industrial-strength, pH-neutral detergent that helps remove any remaining unbonded dye and prevents back-staining.
- Submerge the fabric in the Synthrapol bath and agitate for about 15 minutes.
- Rinse the fabric thoroughly again, increasing water temperature from cold to hot, until the water is completely clear.



Dyes produce level, uniform colors that resist fading, discoloration, and bleeding in the wash

Shirts by Ashley Streicher

Image: Freshly dyed shirts hanging to dry, demonstrating the level, uniform colors that resist fading and discoloration after washing.

Drying:

Dry the fabric as you normally would, either by air drying or using a dryer on a hot setting to fully set the dye.

Storage:

Store unused dye powder in its original, tightly sealed container in a cool, dry place away from direct sunlight and moisture. Proper storage ensures the longevity and effectiveness of the dye.

TROUBLESHOOTING

Problem	Possible Cause	Solution
Uneven or Streaky Color	Insufficient stirring during dyeing; fabric not fully saturated; dye not fully dissolved.	Ensure dye is fully dissolved before adding fabric. Stir fabric frequently and thoroughly, especially during the first 15 minutes. Ensure fabric is fully submerged and saturated.
Dye Fading or Bleeding After Washing	Inadequate soda ash pre-treatment; insufficient rinsing; not using Synthrapol.	Ensure fabric is properly pre-treated with soda ash for the recommended time. Rinse thoroughly until water runs clear. Use Synthrapol in the final wash to remove unbonded dye.
Color Not as Vibrant as Expected	Too little dye used; insufficient dyeing time; incorrect water temperature.	Increase dye concentration for a darker shade. Extend dyeing time. Ensure water temperature is warm for optimal dye reaction.

SPECIFICATIONS

Color: Medium Blue

Brand: Jacquard

Item Weight: 9.6 ounces

Item Form: Powder

Compatible Material: Linen, Cotton, Hemp, Rayon, Bamboo, Viscose

Number of Items: 1

Manufacturer: RUPERT GIBBONS & SPIDER

UPC: 743772207207

Product Dimensions: 3.5 x 3.5 x 3.75 inches

Item Model Number: PMX2072



Image: A color mixing chart for Procion MX dyes, illustrating various colors and ratios for creating complex shades.

WARRANTY & SUPPORT

For specific warranty information or technical support regarding your Jacquard Procion MX Dye, please refer to the official manufacturer's website or contact their customer service directly. Additional resources, including detailed user guides, may be available online.

- [Official User Guide \(PDF\): Download User Guide](#)
- [Official User Manual \(PDF\): Download User Manual](#)
- [Visit the Jacquard Store: Jacquard Amazon Store](#)