DYE ROAD MAP

SCAN FOR MORE DYE INFO:

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	PRODUCT >	Acid Dye	Basic Dye	Procion MX	iDye Natural	iDye Poly	SolarFast	Indigo	Green Label Silk Colors	Red Label Silk Colors	Super Fast Acid Dye for Wool	Cochineal	Concentrated Vinyl Sulphon	Dye-Na-Flow Fabric Paint	Piñata Alcohol Ink
	Temperature / Heat	180°F / 80°C	Room temperature to 160°F / 70°C	Room temperature to 32°F / 0°C	180°F / 80°C	212°F / 100°C	Room temperature, above 40°F / 4.44°C	Room temperature or higher	Sets with steam at 212°F / 100°C or fixative	Sets with steam at 212°F / 100°C	180°F / 80°C	180°F / 80°C	Sets with steam at 212°F / 100°C	Room temperature. Fix by ironing.	Room temperature
	Product Notes	Exceptionally vibrant color for protein fibers	Brighter colors than any other dye class	Superior permanence	Best for over-dyeing	The only option for polyester	Fixed by exposure to sunlight (UV)	Natural vat dye ("blue jean dye")	Ready-to-use formulation for silk painting	Concentrated versatile liquid color	Specially formulated for difficult protein fibers	Natural acid dye. Mordant required for cellulosic fibers	Maximally concentrated versatile liquid dye	Fluid fabric paint that simulates a dye	All-surface alcohol ink
	Soluble In Alcohol	—	Yes	—	—	—	—	—	< 1% as a wetting agent	< 1% as a wetting agent	—	—	< 1% as a wetting agent	—	Yes
	Soluble In Acetone	—	Yes	—	—	Yes	—	—	—	—	—	—	—	—	Yes
MATERIALS	*cellulose fibers* **Cotton**	—	—	Excellent	Excellent	—	Excellent	Excellent	—	Excellent	—	Good	Excellent	Excellent	Good
	cellulose fibers **Linen**	—	—	Excellent	Excellent	—	Excellent	Excellent	—	Excellent	—	Good	Excellent	Excellent	Good
	cellulose fibers **Rayon**	—	—	Excellent	Excellent	—	Excellent	Excellent	—	Excellent	—	Good	Excellent	Excellent	Good
	cellulose fibers **Viscose**	—	—	Excellent	Excellent	—	Excellent	Excellent	—	Excellent	—	Good	Excellent	Excellent	Good
	cellulose fibers **Bamboo**	—	—	Excellent	Excellent	—	Excellent	Excellent	—	Excellent	—	Good	Excellent	Excellent	Good
	cellulose fibers **Hemp**	—	—	Excellent	Excellent	—	Excellent	Excellent	—	Excellent	—	Good	Excellent	Excellent	Good
	cellulose fibers **Paper**	—	Excellent	Good	—	—	Excellent	Excellent	Good	Excellent	—	Good	Excellent	Excellent	Excellent
	cellulose fibers **Wood / Reeds**	—	Excellent	Good	Good	—	Excellent	Excellent	—	Good	—	—	—	Excellent	Excellent
	protein fibers **Silk**	Excellent	Excellent	Good (use acid, not Soda Ash)	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent
	protein fibers **Wool**	Excellent	Excellent	—	Fair	—	Good	Excellent	—	—	Excellent	Excellent	—	Excellent	Good
	protein fibers **Alpaca**	Excellent	Excellent	—	Fair	—	Good	Excellent	—	—	Excellent	Excellent	—	Excellent	Good
	protein fibers **Feathers**	Excellent	Excellent	—	—	—	Excellent	—	—	—	Excellent	Excellent	—	Excellent	Good
	protein fibers **Leather**	Excellent	Excellent	—	Good	—	Excellent	Good	—	—	Excellent	Excellent	—	Excellent	Excellent
	protein fibers **Hide**	Excellent	Excellent	—	Good	—	Excellent	Good	—	—	Excellent	Excellent	—	Excellent	Excellent
	protein fibers **Animal Fur**	Excellent	Excellent	—	—	—	Excellent	Good	—	—	Excellent	Excellent	—	Good	Good
	protein fibers **Easter Eggs**	Excellent	Crystal Violet only	—	—	—	—	—	—	—	Excellent	Excellent	—	Good	Excellent
	synthetic fibers **Nylon**	Excellent	Excellent	—	Good	Excellent	Good	Good	—	—	Excellent	Good	—	Excellent	Good
	synthetic fibers **Acrylic**	—	Excellent	—	—	Fair	—	—	—	—	—	—	—	Good	Good
	synthetic fibers **Polyester**	—	—	—	—	Excellent	—	—	—	—	—	—	—	Good	Good
	synthetic fibers **Spandex**	Excellent	Excellent	—	Good	Excellent	Good	—	—	—	Excellent	—	—	Excellent	Good
	synthetic fibers **Frisbees**	—	—	—	—	Excellent	—	—	—	—	—	—	—	—	Good
	synthetic fibers **Wigs / Faux Fur** *(Acrylic)*	—	Excellent	—	—	Fair	—	—	—	—	—	—	—	—	Good
	synthetic fibers **Wigs** *(Polyester)*	—	—	—	—	Excellent	—	—	—	—	—	—	—	—	Good
	synthetic fibers **Wigs** *(Nylon)*	Excellent	Excellent	—	Good	Excellent	—	—	—	—	Excellent	Good	—	—	Good
	synthetic fibers **Polycarbonate Plastic**	—	—	—	—	Excellent	—	—	—	—	—	—	—	—	Excellent
	synthetic fibers **Nylon Plastic** *(3D Printed Parts, etc.)*	Excellent	—	—	Good	Excellent	—	—	—	—	Excellent	—	—	—	Excellent
	synthetic fibers **Worbla**-Transparent	—	—	—	—	Excellent	—	—	—	—	—	—	—	—	Excellent
	synthetic fibers **Epoxy Resin**	—	Excellent	—	—	Excellent	—	—	—	—	—	—	—	—	Excellent
AUXILIARIES	**Salt**	Optional	N/A	Optional; increases depth of shade	Optional; increases depth of shade	—	—	—	Optional for special effects	Optional for special effects	Optional	Optional	Optional for special effects	Optional for special effects	—
	Urea	Improves solubility, necessary for hand painting	Improves solubility in water	Improves color yield in tie dyeing, printing and batching applications	—	—	Improves prints made without film / glass	—	Improves color when steaming	Improves color when steaming	Improves solubility	Improves solubility	Improves color when steaming	—	—
	Soda Ash	N/A	N/A	Vital	—	May lighten dye slightly when heated	—	Vital	—	Optional for cotton (baking soda preferred)	—	—	Optional for cotton (baking soda preferred)	—	—
	Acid (Citric Acid or Vinegar)	Vital	Vital in water	Only used when dyeing silk	Vital when dyeing silk	—	—	Used to neutralize silk and wool in rinse	Pre-acidified	For silk	Vital	Vital for silk and wool	For silk	—	—
	Color Remover	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Used as a reducer in Indigo vat	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible
	deColourant	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible
	Color Magnet	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible
	iDye Fixative	Compatible	Not Compatible	Compatible	Excellent	Not Compatible	Not Compatible	Not Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible
	Permanent Dyeset Concentrate	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible	Compatible for fixing at room temperature	Improves washfastness	Improves washfastness	Compatible	Compatible	Not Compatible	Not Compatible
	Reactive Dye Fixative	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible	Compatible	Compatible	Compatible	Compatible	Compatible	Not Compatible	Not Compatible
	Synthrapol (Detergent)	Excellent	Good	Excellent	Excellent	Good	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	—	Not Compatible
	SolarFast Wash	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	Excellent	—	Not Compatible

Jacquard Products | **Rupert, Gibbon & Spider, Inc.** | P.O. Box 425 | Healdsburg, CA 95448 USA | 800.442.0455 / +1 707-433-9577 | Fax: +1 707.433.4906 | www.jacquardproducts.com | service@jacquardproducts.com