

DYE ROAD MAP		Acid Dye	Basic Dye	Procion MX	iDye Natural	iDye Poly	SolarFast	Indigo	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	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")	Fluid fabric paint that simulates a dye	All-surface alcohol ink
Soluble In Alcohol		—	Yes	—	—	—	—	—	—	Yes
Soluble In Acetone		—	Yes	—	—	Yes	—	—	—	Yes
MATERIALS	cellulose fibers	Cotton	—	Excellent	Excellent	—	Excellent	Excellent	Excellent	Good
		Linen	—	—	Excellent	Excellent	—	Excellent	Excellent	Good
		Rayon	—	—	Excellent	Excellent	—	Excellent	Excellent	Good
		Viscose	—	—	Excellent	Excellent	—	Excellent	Excellent	Good
		Bamboo	—	—	Excellent	Excellent	—	Excellent	Excellent	Good
		Hemp	—	—	Excellent	Excellent	—	Excellent	Excellent	Good
		Paper	—	Excellent	Good	—	—	Excellent	Excellent	Excellent
		Wood / Reeds	—	Excellent	Good	Good	—	Excellent	Excellent	Excellent
	protein fibers	Silk	Excellent	Excellent	Good (use acid, not Soda Ash)	Excellent	Good	Excellent	Excellent	Excellent
		Wool	Excellent	Excellent	—	Fair	—	Good	Excellent	Excellent
		Alpaca	Excellent	Excellent	—	Fair	—	Good	Excellent	Good
		Feathers	Excellent	—	—	—	—	Excellent	—	Excellent
		Leather	Excellent	Excellent	—	Good	—	Excellent	Good	Excellent
		Hide	Excellent	Excellent	—	Good	—	Excellent	Good	Excellent
		Animal Fur	Excellent	Excellent	—	—	—	Excellent	Good	Good
		Easter Eggs	Excellent	Crystal Violet only	—	—	—	—	—	Good
	synthetic fibers	Nylon	Excellent	Excellent	—	Good	Excellent	Good	Good	Excellent
		Acrylic	—	Excellent	—	—	Fair	—	—	Good
		Polyester	—	—	—	—	—	—	—	Good
		Spandex	Excellent	Excellent	—	Good	Excellent	Good	—	Excellent
Frisbees		—	—	—	—	Excellent	—	—	—	
Wigs / Faux Fur (Acrylic)		—	Excellent	—	—	Fair	—	—	—	
Wigs (Polyester)		—	—	—	—	Excellent	—	—	—	
Wigs (Nylon)		Excellent	Excellent	—	Good	Excellent	—	—	—	
Polycarbonate		—	—	—	—	Excellent	—	—	—	
Nylon Plastic (3D Printed Parts)		Excellent	—	—	Good	Excellent	—	—	—	
Worbla -		—	—	—	—	Excellent	—	—	—	
Epoxy Resin		—	Excellent	—	—	Excellent	—	—	—	
AUXILIARIES	Salt	Optional	N/A	Optional; increases depth of shade	Optional; increases depth of shade	—	—	—	Optional for	
	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	—	—	
	Soda Ash	N/A	N/A	Vital	—	May lighten dye slightly when heated	—	Vital	—	
	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	—	
	Color Remover	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Used as reducer in Indigo vat	Not Compatible	
	deColourant	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible	Not Compatible	
	Color Magnet	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible	Not Compatible	
	iDye Fixative	Compatible	Not Compatible	Compatible	Excellent	Not Compatible	Not Compatible	Not Compatible	Not Compatible	
	Permanent Dyeset Concentrate	Compatible	Not Compatible	Compatible	Compatible	Not Compatible	Not Compatible	Not Compatible	Not Compatible	
	Synthrapol (Detergent)	Excellent	Good	Excellent	Excellent	Good	Good	Excellent	—	
SolarFast Wash	Excellent	Excellent	Excellent	Excellent	Good	Excellent	Excellent	—		