

Specification

Viscosity(cps) at 25°C, Brookfield DV-2 ⁺	4000-5000
Cure Speed (300W/inch) FUSION	10m/min
Odor	Mild Acrylate
Optimum thickness	3 -10 g/ m ²
Pencil Hardness	3- 4 H
Cross Hatch Adhesion	100%

Description :

JST series, a UV curable screen ink, was designed for use on Stainless, Aluminum and Metals. There is no additives required and excellent rub-resistance and chemical resistance with good gloss, wide finishes & color in the fast curing properties. Weatherability is subject to condition of use. Consults the technical department to use information regarding weather resistance and weatherable application of JST series inks.

Application suggestion :

A screen mesh size of 200 – 300 mesh/inch plain wave, monofilament polyester mesh will be provide best results and sharp polyurethane squeegee of approximately 75 – 85 durometer 60/90 recommended for optimum results.

Typical printing lines utilize 300W/inch(120W/cm)D-bulbs, between print stations. Other UV systems with suitable spectral output in the 300-400nm range, such as medium-pressure mercury vapor or metal halide, may be used. Actual cure speeds will vary depending on color and opacity of the ink, screen mesh, and other printing parameters that affect ink deposit, as well as the UV curing unit used. Before printing by it, check surface tension of substrate for good adhesion. Since all the print substrates mentioned may be different in printability, even within an individual type, preliminary trials are essential to determine suitability for the intended use.

Wash up :

Screen may be cleaned with IPA and some Alcohols, n-propyl acetate or many commercial screenwashes.

We recommended JO – 100 Wash up solution for cleanings and clean immediately after printing.

Health & Safety :

As with this inks, gloves and safety device should be used when handling the products. For more complete information do you need, refer to the Material Safety Data Sheet before use.

Storage & Handling:

The product requires stirring prior to use. The shelf life is good when stored away from heat and protected from UV LIGHT exposure. The material is combustible and should not be used near open flame. Store below 32 °C. Best when used within 6 month of product Lot No. date on label. Under different conditions, particular higher temperatures, the shelf life is reduced.

Mono-pigmented Colors:

JST 111	Green shade Yellow	JST 115	Golden Yellow
JST 119	Orange	JST 180	Blue shade Red
JST 181	Cerise/Yellow shade Red	JST 182	Rhodamine Red/Pink
JST 183	Warm Red	JST 149	Green
JST 155	Reflex Blue	JST 159	Permanent Blue
JST 185	Violet		

Pantone Metallic Colors:

We are on preparing this colors for any enquiry.

Black & White:

JST 583 Mixing White JST 584 High opaque White JST 582 Black

SWOP Process Colors:

JST 131 H.T Yellow JST 140 H.T Magenta JST 135 H.T Cyan
JST 171 H.T Black JST 139 H,T Base

Modifier & Other products:

JST 101 Overprint Clear JST 199 Mixing Clear JST-CA Cure Accelerator
JST – VM Viscosity modifier JST – M2 Matt Clear

Wash - up Solution: JO- 100 low toxic cleaning solution

Disclaimer:

All information on this data sheet is based on JESCO laboratory test experience in print press. Procedures and directions for use of JESCO products must be considered as recommendations only, with no warranties expressed or implied. The printer solely responsible for determining suitability for any JESCO product for he particular application.