

Specification

Viscosity(cps) at 25°C, Brookfield DV-2+	3000-5000
Cure Speed (300W/inch) FUSION	27m/min
Odor	Mild Acrylate
Optimum thickness	3 -10 g/ m ²

Description :

PSM series is a UV Curable screen inks for multi –purpose application. It can be apply to several kinds of substrates as like PC, ABS, PET, PP, PE as well as many flexible material by one. Especially PSM series have excellent adhesion to Untreated PET substrate which has been very difficult withadhesion . PSM series have fast curing and gives flexibility and High gloss , leveling is quite good.Once it doesn't necessary add adhesion promoters, productivity will be incre ase and cost benefit by PSM.

Application suggestion :

A screen mesh size of 200-350 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 out put 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 . May be 48 – 54 mN/m² of surface tension is acceptable. Since all the print substrates mentioned may be different printability, even within an individual type, preliminary trial 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 PSM – 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:

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

Pantone Metallic Colors:

PSM 871	Rich Gold
PSM 876	Pale Gold
PSM 877	Silver

► This can be several metallic color when mixing together from above standard base color with monopigmented color. Select mesh with opening large enough to transfer the metallic pigments of choice. Normally a mesh count 305 mesh / inch or lower is required will reduce shelf life of mixtures.

Black & White:

PSM 585 White PSM 584 High Opaque White PSM 582 Black

SWOP Process Colors:

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

Modifier & Other products:

PSM 101 OP Varnish PSM 199 Mixing Clear PSM -CA Cure accelerator
PSM - VM Viscosity Modifier PSM - M2 Matt Clear

Wash - up Solution : PSM 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 the particular application.