

VS Ink series

(Semi-Gloss ink for Acrylic, Soft and Rigid PVC)

VS Ink has excellent printability on PVC products such as PVC stickers, PVC sheets, and wallpaper, especially on embossed surfaces. It has excellent blocking resistance, and by using this ink, various PVC sheets printed material can be produced with excellent finish.

Applications	PVC products such as PVC sticker, PVC sheet, wallpaper, especially on embossed surface		
Special Features	<ul style="list-style-type: none"> · Fast drying and particularly excellent blocking resistance. · Low odor ink that does not contain any heavy metals. · A high solvent thinning rate can cut the cost of ink. 		
Substrate	Soft & rigid PVC, Acrylic, ABS		
Dilution	E-001 SOLVENT (fast) E-002 SOLVENT (standard) E-003 SOLVENT (slow) E-004 SOLVENT (extra slow) Dilution: 30 to 50% *Do not use other solvents as they may adversely affect curing, adhesion, stencil stability, or other properties.		
Additives	SM-40 DEFOAMER 2% (For anti-foam and improvement in leveling)		
Recommended Cleaner	Screen Cleaner L2 or E-002 SOLVENT		
Mesh	T 150 to 300 mesh (Coverage is 28 to 34m ² /kg at 250 mesh)		
Drying	50-60°C 10 min *Drying time may vary depending on the substrate. *Tack-free time is about 10 min at room temperature and about 5 min by blow dry with jet dryer. *It is necessary to select optimum drying temperature and time depending on the intended use of the printed materials.		
Standard Colors	000 MEDIUM 002 EXTENDER	061 WHITE 061 C OPAQUE WHITE	091 BLACK 092 BLACK (WELDER)

Caution

- Soft PVC sheet is likely to remain solvent in the sheet, which can cause problems in subsequent processes.
- Adhesion test must be done before printing as quality of plastic may differ depending on manufacturers or lots. It is also recommended to wipe surface of the printing part with alcohol or mineral spirits to prevent defective print due to static electricity and insufficient adhesion due to plasticizer and additive floating.
- If the dilution is insufficient, ink may not penetrate evenly into meshes of the embossed surface. Please make a proper dilution.
- Checking before production: Adhesion and resistance properties may change due to differences in substrates, processes, printing and drying conditions. Be sure to check the adhesiveness and resistance properties before mass production printing.
- Ink shelf life: 36 months from production date, unopened.

Safety

UN No.: 1210

UN Classification: Class 3 Flammable Liquids (Flash point is over 23 Degree C)

Handling

- Use safety gloves and eyeglasses to protect skin and eyes. If the ink comes in contact with skin, wash with soap and plenty of water (or lukewarm water) and consult with a doctor.
- Containers should be closed tightly after use and stored in a cool and dark place.
- SDS is available upon request. Please request a copy and read it carefully before handling the products.

*Information contained in this catalog may change without prior notice.

Revised : 2023.09.01.