



JET-V1 SERIES

The JET series is solvent based ink which is developed for high speed screen printing. JET-V1 series are high quality air drying inks consisting of vinyl resin. They produce sharp colors, outstanding weather durability and high speed screen printability.

Ink type

One part, air drying ink

Usage

PVC materials, such as PVC sticker, making film. polycarbonate sheet. paper, vinyl coated paper and treated PP film.

Characteristics

JET-V1 produce matte finishes with good leveling.

This ink is mostly effective using by Jet Instant drying system combining an UV conveyer and automatic cylinder press. Seiko Advance devoted to develop the system which can show a full ability of automatic screen printing machine based on the realization of better working environment, such as automation, saving labor and space.

Diluent

Standard solvent: T-920

JET ink is formulated with suitable viscosity for printing straight from the container. However, the ink tends to become hard as its characteristic. Agitate it well before use.

Washup

T-911 or T-15

Printing

Use of Teton or nylon screens of 200-300 mesh number is recommended.

Drying time

Printing as fast as 2500-3000 impression per hour with JET-ink by automatic cylinder press is possible and drying is easily synchronized by UV conveyer.

Notes

Transparent overcoating by UV8430G can be obtained with a superior flat and glossy finishes than laminating, that leads to the economy. To increase ink surface hardness, apply UVA9126 overcoat transparent clear. Various overcoats clear are prepared to meet your printing specialists.



Reference Data

Printed Surface Performance Table

| Test Item | Condition | | | | | | | Result |
|--------------------------|---|-----|------|------|-------|------|------|--------------|
| Adhesion | Peeling test on cross cut using cellophane tape | | | | | | | 100/100 |
| Heat Resistance | After 80C *96 hours, Adhesion test | | | | | | | 100/100 |
| Thermal Shock Resistance | Cycle | 80C | RM | -20C | 40C | RM | -20C | 100/100 |
| | | | TEMP | | 95%RH | TEMP | | |
| | (hours) | 2 | 0.5 | 2 | 3 | 0.5 | 2 | |
| | After 3 cycles, Adhesion test | | | | | | | |
| Water Resistance | Soaked in 40C water for 24 hours | | | | | | | Not Affected |
| Acid Resistance | Soaked in 0.1N H ₂ SO ₄ for 7 hours | | | | | | | Not Affected |
| Alkali Resistance | Soaked in 0.1N NaOH for 7 hours | | | | | | | Not Affected |
| Gasoline Resistance | Soaked in gasoline for 1 hour | | | | | | | Not Affected |
| Oil Resistance | Soaked in engine oil for 7 hours | | | | | | | Not Affected |
| Weathering Resistance | 1000 hours of Sunshine weather-o-meter | | | | | | | Not Affected |

Test Conditions

Material: White PVC stickers

Drying : 60C 5 minutes + 25C 2 days