SolarScreen™ Platinum White UV Flexo High Opacity Technical Data Sheet

SolarScreen Platinum White UV Flexo High Opacity ink achieves the opacity, pinhole-free printing and adhesion of a silicone-free screen white ink with the convenience and efficiency of flexographic printing.

Typical Characteristics and Features

SolarScreen Platinum White UV Flexo High Opacity inks are formulated to have the following properties:

- High opacity when applied on a single print station
- Silicone-free overprinting with flexographic, letterpress, or lithographic inks
- Optimal flow and transfer
- Suitability for shrink sleeve applications
- Extendibility
- Required cure even at high press speeds
- Chemical and product resistance

Description	EMG Number	SAP Number 1-Gal Pail	SAP Number 1-Gal Jug	SAP Number 5-Gal	SAP Number Drum
Platinum White UV Flexo High Opacity	PW-100	90868769	90960911	90868768	90875448

Technical Information and ink handling

Anilox and doctor blade selection

Hardened-edge single or chambered doctor bladed are recommended. The Harper Corporation P1 anilox was designed to meet the required specifications. For more information, contact the manufacturer directly.

Viscosity

SolarScreen Platinum White UV Flexo High Opacity ink is supplied press-ready.

Compatability

SolarScreen Platinum White UV Flexo High Opacity ink can be overprinted, stamped, and glued.

Substrates

SolarScreen Platinum White UV Flexo High Opacity ink can be used with the following:

- Treated or coated polyethylene (PE), polypropylene (PP), oriented polyproplene (OPP), polyester (PET), and polyvinyl chloride (PVC) films
- Coated metallized substrates
- Coated paper and paperboad

A minimum film surface energy of 38-42 dynes/centimeter is recommended for optimal adhesion when using these inks.

Note: Substrates must be pre-tested to ensure ink performance.

Cure

SolarScreen Platinum White UV Flexo High Opacity ink is formulated press-ready and provide required cure rates for high speed presses. The UV-cure rates are proportional to available UV lamp output capacity, film weight, and applied color density. A program of regular reflector maintenance and lamp replacement is beneficial in achieving the highest press productivity, efficiency and performance with all UV-curable inks.

Clean-up

SolarScreen Platinum White UV Flexo High Opacity ink is easily cleaned using the standard press washes recommended for use with UV-curable inks.

Storage Considerations

Similar to other UV-curable inks, to maximize SolarScreen Platinum White UV Flexo High Opacity ink shelf life, these inks should be stored in closed opaque containers at temperatures between 40-90^{0}F (5-32^{0}C).

Safety, Health and Environment

SolarScreen Platinum White UV Flexo High Opacity inks are to be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the Safety Data Sheet for specific information. Safety Data Sheets will be supplied.

Printing inks, coatings and printing residues should be disposed of in accordance with local and national regulations.

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