

SolarAquapro Technical Data Sheet

SolarAquapro was developed especially for pressure-sensitive label applications and the narrow web market. These inks offer superior stability and density, with enhanced adhesion, while maintaining good resolubility on press.

typical characteristics and features

SolarAquapro inks are formulated to have the following properties:

- Excellent rewettability and press stability over long runs
- High print density, enabling high definition printing
- Excellent adhesion, wet rub, heat resistance, and abrasion resistance on a variety of substrates
- Easy wash ups

technical information and ink handling

Viscosity

The recommended printing viscosity for SolarAquapro is 15 – 22 seconds using a #3 Zahn cup.

pH

Recommended pH range is 9.5 – 10.0

Anilox

Process colors: 700 – 1400 lpi / 0.8 – 2.4 bcm

Line colors and

Opaque whites: 360 – 800 lpi / 2.0 – 4.0 bcm

Available Colors

SolarAquapro inks are available in the following colors:

- Process colors
- Blending colors
- Lightfast process & blending colors
- Special colors available on request

EMG Number	Description	1 Gallon Jug	
		SAP Numbers	BWS Lightfastness
GA0C000003	SolarAquapro Extender	91014145	N/A
ESC11141FW	SolarAquaverse II Opaque White	90066870	8
Process Colors			
TXPFW5830605	SolarAquapro Process Cyan	90018879	8
TXPFW4830604	SolarAquapro LF Process Magenta	90018854	5
TXQFW4831798	SolarAquapro Process Magenta	90853786	3
TXPFW2830603	SolarAquapro LF Process Yellow	90018823	7
TXQFW2831797	SolarAquapro Process Yellow	90853139	5
TXPFW9830606	SolarAquapro Process Black	90018918	8
TXPFW0830602	SolarAquapro Process Extender	90927369	N/A
Blend Colors			
TXQFW2831842	SolarAquapro LF Yellow	90856543	7
GA0C200004	SolarAquapro LF 012 Yellow	90902423	6
TXQFW3831848	SolarAquapro LF 021 Orange	90856913	6
TXQFW4831844	SolarAquapro LF Warm Red	90856636	7
TXTFW4832444	SolarAquapro Warm Red	91070094	5
TXQFW4831843	SolarAquapro LF Rubine	90856545	5
GA0C400009	SolarAquapro 032 Red	90902566	5
TXQWF6831847	SolarAquapro LF Purple	90898171	7
TXQFW4831845	SolarAquapro LF Rhodamine Red	90856637	7
TXPFW5830678	SolarAquapro Blue	90018882	8
GA0C500005	SolarAquapro 072 Blue	90902516	8
TXQFW5830865	SolarAquapro LF Reflex Blue	90898139	7
TXQFW6831846	SolarAquapro LF Violet	90856918	8
TXQFW7831849	SolarAquapro Green	90898172	8
TXPFW9830639	SolarAquapro Black	90018920	8

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additives

SolarAquapro recommended additives:

- Satisfactory drying speed: Reduce with water
- To slow down drying: Add a maximum of 5% NWWX-1195
- To speed up drying: Add a maximum of 5% isopropyl alcohol
- To raise pH: Add NWWX-1069 Ink Freshener

substrate recommendations

SolarAquapro inks can be used on the following:

- Paper and paperboard
- Coated foil
- Treated or coated polyethylene, polypropylene, and polyester films
- A minimum film surface energy of 38-42 dynes / cm is recommended for optimal adhesion
- Substrates should be pre-tested to ensure ink performance

web temperature

100°F – 140°F (37.8°C – 60°C)

ink film drying

SolarAquapro inks can be dried with infrared or hot air dryers.

storage considerations

- Premix material prior to use or before making any corrections
- Check viscosity before use; add water to adjust, if necessary
- Do not allow ink to freeze; keep container tightly closed

safety, health and environment

SolarAquapro inks should be used in accordance with normal standards of industrial hygiene and good manufacturing practice. Please refer to the supplied Material Safety Data Sheet for specific information. Material Safety Data Sheets will be supplied.

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

The information contained in this technical data sheet is only a recommendation and may need to be altered to suit the conditions and efficiency of the equipment employed. Our products are not designed for use in conjunction with those of any other ink maker or similar supplier unless agreed to in writing.

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