

# SolarAqua™ AV II D/T

## Technical Data Sheet

SolarAqua AV II D/T is heat resistant, thermal imprintable inks developed for the narrow web tag and label market.

### Typical Characteristics and Features

SolarAqua AV II D/T are formulated to have the following properties:

- Heat resistant to over 450°F (232°C)
- Imprintable by direct thermal, thermal transfer, and laser printing methods\*
- Faster running speed
- Formulated with fade-resistant pigments
- Sharper printing with fewer wash-ups over long runs
- Suitable for presses with our without doctor blades

\*Note: Testing is required.

### Technical Information and ink handling

#### Viscosity

15-25 seconds using a #3 Zahn cup

#### pH

Range is 9.0-9.5

#### Anilox

165-800 lpi / 1.9-7.0 bcm

#### Available colors

SolarAqua AV II D/T are available in the following colors:

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

### Additives

SolarAqua AV II D/T 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

SolarAqua AV II D/T can be used on the following:

- Coated and uncoated papers and paperboard
- Thermal Paper
- Treated Films
- Substrates should be pre-tested to ensure ink performance. Heat resistance of inks will vary from substrate to substrate.

### Web temperature

100°F - 140°F (37.8°C - 60°C)

### Ink film drying

SolarAqua AV II D/T 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

SolarAqua AV II D/T is 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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Description	EMG Number	SAP Code 1-GAL	SAP Code 5-GAL	Blue Wool
SolarAqua AV II DT Opaque White	GA54100001	90875530	90996976	8
SolarAqua AV II DT Extender	TWPFW0833250	90010424	90804834	N/A
SolarAqua AV II Reducer/Retarder	TWLFW0839028	90009803	90974309	N/A
SolarAqua AV II D/T LF Process Yellow	TWPFW2833245	90010433	90974185	7
SolarAqua AV II D/T LF Process Magenta	TWPFW4833246	90010445	90974186	5
SolarAqua AV II D/T LF Process Cyan	TWPFW5833247	90010454	90974187	8
SolarAqua AV II D/T LF Process Black	TWPFW9833262	90010475	90974188	8
SolarAqua AV II D/T LF Process Blue	TWPFW5833258	90010455	90974286	8
SolarAqua AV II D/T LF Yellow	TWPFW2833251	90010434	90974189	7
SolarAqua AV II D/T LF 021C Orange	TWPFW3833252	90010442	90974245	6
SolarAqua AV II D/T LF Rubine Red	TWPFW4833254	90010447	90974247	5
SolarAqua AV II D/T LF Warm Red	TWPFW4833253	90010446	90974330	5
SolarAqua AV II D/T LF 032C Red	TWPFW4833255	90010448	90974332	5
SolarAqua AV II D/T LF Purple	TWPFW4833257	90010449	90974301	7
SolarAqua AV II D/T LF Reflex Blue	TWPFW5833259	90010456	90974333	8
SolarAqua AV II D/T LF Violet	TWPFW6833260	90010466	90975051	8
SolarAqua AV II D/T LF Green	TWPFW7833261	90010469	90974307	8

The Blue Wool Scale rating indicates the relative lightfastness of an ink. It is measured on a scale from 0 to 8, with 0 having poor lightfastness and 8 having excellent lightfastness. The numbers here reflect the fade resistance of a full-strength ink. Tints or blends of these inks may exhibit lower lightfastness.

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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