

## Technical Bulletin

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### ***i*-AQUANAP II**

## **WATER BASED FLEXOGRAPHIC PRINTING INKS FOR THE PRINTING OF PAPER NAPKINS**

*i*-AQUANAP II is a water based surface printing ink series formulated for mid web printing of tissue. While providing excellent transfer and printability on a wide variety of printing equipment, this high performance ink also provides the resistance properties required for today's consumer.

#### **Characteristics**

- High color strength
- Very stable on press
- Excellent printability and resolubility
- Very good resistance to liquids, including water, milk and alcohol

#### **Substrates**

- Tissue for paper napkins

#### **Typical Applications**

- *i*-AQUANAP II is formulated for the flexographic printing of paper napkins.

#### **Base Colours**

- |   |           |
|---|-----------|
| • <i>i</i> -AQUANAP II Extender         | PWME07772 |
| • <i>i</i> -AQUANAP II White            | PMMW07782 |
| • <i>i</i> -AQUANAP II Yellow           | PWMY07773 |
| • <i>i</i> -AQUANAP II Orange           | PWMY07774 |
| • <i>i</i> -AQUANAP II YS Red           | PWMR07775 |
| • <i>i</i> -AQUANAP II BS Red           | PWMR07776 |
| • <i>i</i> -AQUANAP II Rhodamine        | PWMR07777 |
| • <i>i</i> -AQUANAP II Permanent Violet | PWMP07778 |
| • <i>i</i> -AQUANAP II Blue             | PWMB07779 |
| • <i>i</i> -AQUANAP II Green            | PWMG07780 |
| • <i>i</i> -AQUANAP II Black            | PWМК07781 |

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## Technical Data

<b>Viscosity</b>	28" to 32" EZ Zahn # 2 cup (press ready)
<b>pH</b>	8.8 to 9.0 Adjust using <b>OWAE02474</b> pH Control Additive.
<b>Anilox</b>	Volume 3.5 to 8.0 bcm
<b>Plates</b>	Photopolymer
<b>Reducer</b>	<b>I-Aquanap II</b> is designed to be reduced with water only. Additions of other solvents may cause ink kickout or reduce the resistance properties of the printed film. Clean printing may be achieved through the control of pH as recommended above.
<b>Defoamer</b>	<b>PWAE00127</b> WB Defoamer. Apply sparingly over the ink reservoir using a spray bottle.
<b>Clean up</b>	<b>OWSE02667</b> Magic Clean Extra Conc. blended 50/50 with warm water.
<b>Shelf Life/ Storage</b>	Approximately one (1) year depending on storage conditions and use. Store at room temperature. Do not allow to freeze. Stir well before use.

**CAUTION \* CAUTION \* CAUTION \* CAUTION \* CAUTION \* CAUTION \* CAUTION \* CAUTION**

1. Excessive additions of defoamer PWAE00127 may cause surface defects. Add only as directed.
2. Mixed colours are typically not permanent. Even lightfast colours may not be appropriate for exposure to sunlight. Lightfastness or other resistance properties are available for special orders.
3. **I-Aquanap II** is designed to be reduced with water only. Additions of other solvents may cause ink kickout or reduce the resistance properties of the printed film. Clean printing may be achieved through the control of pH.

Pemla cannot anticipate all conditions under which this information and our products may be used. All printing applications should be tested before using on a press. We accept no responsibility for results obtained by the application of this information or the safety and suitability of our products, either alone or in combination with other products. Please contact Pemla technical personnel for more information.

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