Altamira Design WDC2 ink set

High-performance ink set for single-pass printing. Ink set targeted for interior decoration applications, resulting in printed wood designs

Overview
The Altamira Design range of high-performance inks is targeted at the decoration market. It is also suitable for marking & coding and product printing.

The Altamira Design WDC2 ink set is targeted at printed interior decoration, specifically printing on pre-colored substrate or primer, for example edge bands.

The Altamira Design WDC2 ink set is a UV-curable inkjet ink set suitable for single-pass printing, especially designed for curing with Hgbulb UV lamps.

The ink set is designed for good adhesion on many different types of substrates, especially ABS, PVC, and other primed substrates in use for interior decoration.

Key benefits
• Good adhesion for interior decoration applications
• Extreme high jetting performance and reliability
• Long ink shelf life (18 months from production date)
• Color gamut tuned to printing of wood designs, and metamerism-free prints.
Field of use
Altamira Design WDC2 ink set is suitable for single pass printing with piezo printheads with requirement for standard inkjet viscosity, including printheads from Konica Minolta, Xaar, Ricoh, Toshiba TEC, Fujifilm Dimatix, Seiko.

Functional specifications
• Single pass wet-on-wet printing or printing using intercolor pinning
• High cure speed for curing with Hg bulbs
• Color gamut tuned to printing wood grain designs, with metamerism-free prints.
• Ink parameters suited for jetting with standard industrial piezo print heads
• Extremely high jetting reliability and low print head maintenance need

Technical specifications

<table>
<thead>
<tr>
<th>Specification</th>
<th>Yellow</th>
<th>Red</th>
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<tbody>
<tr>
<td>Static surface tension (25°C)</td>
<td>22.5 mN/m +/- 1.0 mN/m</td>
<td>22.5 mN/m +/- 1.0 mN/m</td>
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<tr>
<td>Viscosity (at 45°C and 12 rpm)</td>
<td>8.0–10.0 mPa.s</td>
<td>8.0–10.0 mPa.s</td>
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<tr>
<td>Pigment particle size (average)</td>
<td>135 nm +/- 10 nm</td>
<td>170 nm +/- 10 nm</td>
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<tr>
<td>Shelf life (from production date)*</td>
<td>18 months</td>
<td>18 months</td>
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</table>

* when stored under recommended conditions (4–23°C in closed Agfa bottles, not in direct sun light and away from heat and UV-radiation sources)

Note that Altamira Design WDC2 Yellow and Red inks can be combined with Altamira Pack SUV Cyan and Black inks for completing the ink set (these inks are compatible to each other and therefore can be used as one ink set).

Safety information
Safety Data Sheets for Altamira Design WDC2 ink are available according to EC regulation 1907/2006, including classification and labelling information and safe use information. Such data may also be derived from the respective label.

Note
Our technical advice whether spoken, written, or through test trials, corresponds to our current knowledge about our products and their use. This is not meant as an assurance concerning certain properties of the products nor their suitability for each application. You are therefore obliged to conduct your own tests with our supplied products to confirm their suitability for the desired process or purpose. The selection and testing of the ink for a specific application is exclusively your responsibility.