



## ALTAMIRA DESIGN PID INK SET

High-performance ink set for single-pass printing. Ink set targeted for interior decoration applications.

**AGFA** 

# Altamira Design PID ink set

## Overview

The Altamira Design PID targets the market of printed interior decoration: furniture edge bands and other interior elements including base plates (skirting boards), profiles, panels and the like.

The Altamira Design PID ink set is a UV-curable inkjet ink set developed specifically for single-pass printing, especially designed for curing with Hg bulb UV lamps and UV LED.

From the 6-color ink set (C M Y K W-R W-Y) one can select colors Cyan, Magenta, Yellow and Black to print a wide range of color designs (including marble, stone designs) or select Cyan, Black in addition to wooden colors Wood-Red and Wood-Yellow to print a full range of wood designs.

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 in interior decoration applications
- Extremely high jetting performance and reliability
- Ability to print full color & wood color designs with excellent color constancy and low metamerism

## Field of use

The Altamira Design PID 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 & UV LED
- Color gamut tuned for printing wood grain designs, with low metamerism prints & full color designs besides stable color over time
- Ink parameters suited for jetting with standard industrial piezo print heads
- Extremely high jetting reliability and low print head maintenance need

## Technical specifications

SPECIFICATION	CYAN	MAGENTA	YELLOW	BLACK	WOOD-YELLOW	WOOD-RED
Static surface tension (25°C)	20.5-23.5 mN/m	20.5-23.5 mN/m	20.5-23.5 mN/m	20.5-23.5 mN/m	20.5-23.5 mN/m	20.5-23.5 mN/m
Viscosity (at 45°C and 1000 s-1)	8.0 -10.5 mPa.s	7.5-9.5 mPa.s	8.5-10.5 mPa.s	7.5 -9.5 mPa.s	7.5-9.5 mPa.s	7.5-9.5 mPa.s
Pigment particle size (average)	< 140 nm	< 150 nm	< 160 nm	< 140 nm	< 140 nm	< 160 nm
Shelf life (from production date)*	12 months	12 months	12 months	12 months	12 months	12 months

\* when stored under recommended conditions (4-23°C in closed Agfa bottles, not in direct sunlight and away from heat and UV-radiation sources). Studies are ongoing in order to extend the shelf life.

Note: preliminary data from pilot production batches. These data will be adjusted on the basis of statistical data as soon as multiple production batches become available.

## Safety information

Safety Data Sheets for Altamira Design PID 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 or commercial correspondence whether spoken, written, or through test trials, corresponds to our current knowledge about our products, the way they are manufactured and their use. This is not meant as an assurance concerning certain properties of the products nor their suitability for each application. It is also not a representation or warranty. 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. Or, to inform yourself about our commercially available product warranties.