

AURA[®] 8100 Series Screen Printing Ink

Product Code: 8100

Product Data Bulletin

Product Overview

Aura Optical Systems' AURA[®] 8100 Series Screen Printing Ink is a solvent-based acrylic process ink designed for use with various Aura Optical Systems' reflective sheeting products. It is a fast-drying ink formulated for extended outdoor durability.

AURA[®] 8100 Series Ink is recommended for use on the following AURA[®] products:

- AURA[®] 104 Engineer Grade
- AURA[®] 108 Commercial Grade
- AURA[®] 121 PET Commercial Grade
- AURA[®] 121E PET Engineer Grade
- AURA[®] 143 Metalized High Intensity Prismatic
- AURA[®] 150 Metalized High Intensity Prismatic

Colors & Components

Part Number	Color / Component
8101	Yellow
8102	Red
8104	Orange
8105	Blue
8107	Green
8109	Brown
8110	Black
8190	Thinner
8191	Retarder

Key Recommendations & Properties

Recommended Screen Mesh	156 Screen Mesh
Ink Coverage	Approximately 1,200 sq-ft per gallon with 156 mesh screen
Durability	Up to 10-years for vertical signing exposure. High sunlight and UV-light exposure may substantially decrease durability.
Drying Time	2 – 4 hours in ambient air. Allow ink to dry for 24-hours before packaging.
Printing Temperatures	65° - 80°F (18° - 26°C)

Printing Preparation

Condition both the screen ink and the reflective sheeting at room temperatures for 24 hours prior to printing. Ensure sheeting, screen and squeegee are clean and free of dust. Wipe reflective sheeting surface with isopropyl alcohol if necessary, and allow to dry before printing.

Ensure squeegee edges are sharp. Screen printing should occur through off-contact screening methods. Direct contact screen printing should not be utilized. Printing can occur on either applied or unapplied reflective sheeting.

Ink thinning should not be necessary except to replace lost solvents due to evaporation during storage or processing. Up to 5% by weight of the thinner or retarder may be added. Do not add an excessive amount of thinner or retarder.

Drying

Printed sheeting can be air dried in open racks with forced air-flow through the racks. Low temperatures, high humidity, or poor air circulation can slow drying times. Prints will normally be dry to the touch within 2 – 4 hours. However, allow printed sheeting to dry for 24 hours before packaging.



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Data Bulletin: 8100-613r0
June 2013

Storage & Safety


AURA® 8100 Series Ink is a flammable liquid. Store away from flames, sparks, or other sources of ignition. Refer to the Material Safety Data Sheet for more information and specific storage instructions.

Warranty Information

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