

# 3946 PosterColor Photo Paper 170 matte product data

## Description

Non-cocking, bright white graphic art paper. Dye or pigment ink compatible. Barrier coating and inkjet receptive layer on one side and an anti-curl coating on the reverse side. Excellent results with both hot and cold laminates after a short drying time.

## Applications

Full color graphic printing when cost of output is important. Media is less expensive than true resin coated grades. Barrier coating gives affordable protection against cockling, especially when rich colors and over-saturation raise concerns about swelling and cockling. Compatibility with thermal (hot) laminating films reduces cost versus use of pressure-sensitive (cold) laminates.

## Compatibility LF-Printers

| Printer  | Ink |    |     |         |
|--|-----|----|-----|---------|
|  | Dye | UV | Oil | Solvent |
| ➤ HP 2000/ 2500/ 2800/ 3000/ 3500/ 3800/ 5000/ 5500/1050 | X   | X  |     |         |
| ➤ Encad Pro 600 e/630/700/750/850                        | X   | X  |     |         |
| ➤ ColorSpan MachXII/DMXII/Esprit EC                      | X   | X  |     |         |
| ➤ Mimaki PV90/ JV-2                                      |     | X  |     |         |
| ➤ Mutoh RJ 4100/6100                                     |     | X  |     |         |

<sup>1</sup> Black Pigmented Dye inks only.

Please contact your local Sihl representative for additional information about applications and use, or go to <http://www.sihlusa.com>

## Markets

- Posters
- Photoreproductions that will be laminated
- Presentations and information graphics
- Event and directional signage
- GIS and mapping
- Multi-layer constructions used in trade show displays
- Single-drop pop-ups

## Advantages

- Excellent print quality at low media cost
- Barrier coating allows higher ink limit without cockling
- Dye or pigment ink compatible
- Waterfast with pigment inks
- Can be used with hot or cold laminates
- Good stiffness for ease of lamination without wrinkles

## Physical Properties

|           | Valuation US/Euro            | Test Norm |
|-----------|------------------------------|-----------|
| Whiteness | 114 ± 3 % / 114 W(CIE)       | DIN 53145 |
| Opacity   | 95 % / 95 %                  | ISO 2471  |
| Thickness | 8 mil / 190 µm               | ISO 534   |
| Weight    | 40 lb / 150 g/m <sup>2</sup> | ISO 536   |

## Condition of Use and Stocking

Unopened media can be stored flat, or on end. Avoid extremely hot or cold storage temperatures. If stored "hot or cold", allow media to equilibrate to room temperature before printing. Print in controlled environment, 35% - 65% relative humidity, and 10 to 30 degrees C (50 to 86 F).

Store unused material in its original packaging (box and plastic sleeve, using the end plugs to secure the sleeve into the core). Doing so ensures proper identification of media when it is next used, and prevents damage to roll ends.