

Banner Vinyl WF 380

■ matt 3960 - 380 µm

The Banner Vinyl is a water-resistant, opaque (Blockout), light and flexible PVC banner with a very fine surface. This product consists of a tear-resistant and flame retardant (B1) polyester fabric, which is embedded between two white Vinyl layers.

Water resistance, good colour brilliance, resolution and edge definition with pigmented inks. Printability is excellent also with dye inks.

Applications

- Indoor Signs
- Outdoor Signage
- Billboard, Advertising

Advantages

- Smooth surface for failure-free printing
- Black blockout-layer for total opacity
- Initial tear-resistance: ~ 1000 N/50mm
- Tear propagation: ~ 0025 N
- Unprotected outdoor-use for up to 3 months
- Suitable for grommeting and welding
- Waterfast, matt coating with high ink-capacity
- Good colour-brilliance
- Lacquering is possible for extra protection

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List of Printers

Printer	Ink	Quality
Hewlett Packard DJ 5000 (PS) / 5500 (PS)	Dye	Good
Hewlett Packard DJ 5000 (PS)/ 5500(PS) UV+	Pigmented	Good
Hewlett Packard DJ 2000/2500/2800 3000/3500/3800 CP UV+	Pigmented	Fair
Hewlett Packard DJ 130	Dye	Good
Hewlett Packard DesignJet Z 2100 Vivera Pigment	Pigmented	Excellent
Hewlett Packard DesignJet Z 3100 Vivera Pigment	Pigmented	Excellent
Hewlett Packard DesignJet Z 6100 (PS) Vivera Pigment	Pigmented	Excellent
Epson Stylus Pro 10000 CF ColorFast™-ink	Pigmented	Good
Epson Stylus Pro 7500 / 9500 ColorFast ink	Pigmented	Good
Epson Stylus Pro 7600 / 9600 UltraChrome™	Pigmented	Excellent
Epson Stylus Pro 10600 UltraChrome™ 1440x720dpi	Pigmented	Excellent
Epson Stylus Pro 4000-C8 UltraCrome ink	Pigmented	Excellent
Epson Stylus Pro 4800 UltraChrome K3	Pigmented	Excellent
Epson Stylus Pro 7880/ 9880 / 11880 UltraChrome K3 Vivid Magenta	Pigmented	Excellent
Canon W 6200 / 8200 pigmented ink	Pigmented	Good
Canon W 6400 / 8400 pigmented ink	Pigmented	Good
Canon imagePROGRAF 5000 / 8000 / 9000	Pigmented	Excellent
Canon imagePROGRAF iPF 5100 / 6100 / 8100	Pigmented	Excellent
Canon ImagePROGRAF iPF 6200	Pigmented	Excellent

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Physical Properties

Total weight	480 g/m ²	ISO 536
Thickness	380 µm (15 mil)	ISO 534
pH	5,5	
Temperature resistance short terme	-15°C - +60°C	
Tensile strength short term	>1000 N/50mm	DIN 53354
Tear strength warp	>60 N	DIN 53383
Fire restistancey	M2	

Conditions of Use and Stocking

The converting and storage should take place in a climate from 35 to 65% to relative humidity at a temperature from 10 to 25 C. Always keep the product in the original packaging (cardboard box and PE bag). After delivery the material should be used within 6 months. To avoid damages of the material (saging), we strongly recommend to store the boxes in vertical position in the original packaging. It is always recommended that cotton gloves be used when handling InkJet coated materials to avoid fingerprints.

Water resistance (e.g. HP DJ 5000/5500 Dye/UV, HP CP Series UV, Epson 7000/9000, 7500/9500, ENCAD NovaJet GO, Mimaki JV2 pigm, Mutoh Falcon pigm. CMYKOG, Roland HiFi Jet pigm.), good colour brilliance, resolution and edge definition with pigmented inks. High inklimits can be used without any bleeding. For best handability, inksettings of about 240% are recommended. Printability is excellent also with dye inks. This banner can be used for indoor and outdoor advertising. It can be welded on the back side by thermic and inductive high frequency welding. Real time weathering test: okay after 4 months (unprotected). Q_U_V tests gave results > 600 hours. Banners should not be folded. Outdoor banners should be left over night to obtain better water resistance. For large jobs, rolls from the same batch number should be used to consistent base colour and output. Age contributes to the final output quality, and the conditions of use and stocking must be adhered to. Cutters should be disabled on printers to avoid damage to the device. Low ink limits are advisable or density linearisation. High ink limits have a negative impact on water resistance and weather proofing, and this gives a saving on inks (up to 25%). As doublesided Tape, we recommend the "Avery 333 Fasttape, 4mil" for sticking. This tape was tested, and we achieved very good results. To achive the full water-resistance, the ink has to be completely dry. We recommend to let the prints dry for min. 12 hours before exposing to wetness.

The data provided in this product data sheet are values for orientation only.

Before using our print media please check their suitability for your printer and for your intended application. We do not take any liability for failures or damages resulting from technically modified printing inks and/or printers as technical specifications are subject to change.

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