

# 3604 SMART™ Banner Vinyl WF 375 matte product data

## Description

3604 is part of Sihl's WeatherPro™ line: a water-fast, light and flexible PVC banner with a fine structured surface. SMART™ Banner consists of a tear-resistant polyester scrim fabric and a vinyl layer.

## Applications

Water resistance (as below), good color 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 sewn and grommets can be used for fixation. Real time weathering test: okay after 3 months (unprotected). Q\_U\_V tests gave good results after 500 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 color 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 letting the prints dry for min. 12 hours before exposing to wetness.

## Compatibility LF-Printers

Very Good	Good	Fair
<ul style="list-style-type: none"> <li>➤ HP DesignJet 5000/5000PS (Dye, UV) ♦*</li> <li>➤ HP DesignJet 2000/2500/2800/3000/3500/3800 (Dye)*</li> <li>➤ Encad Pro 600e/630/700/750 (GS, GS+, GX, GO)*</li> <li>➤ Encad Pro e42/e60/500 (GA, GS, GX, GO)*</li> <li>➤ Epson 7000/9000/10000</li> <li>➤ Epson 7500/9500/10000CF ♦</li> <li>➤ Epson 9600 (pigm.) ♦</li> <li>➤ Roland Hi-Fi Jet (Dye, pigm) ♦*</li> <li>➤ Roland CammJet (pigm)* ♦</li> <li>➤ Mutoh RJ 4100 / 6100 (pigm CMYK / OG)* ♦</li> <li>➤ Gretag/RG Bellise plus</li> </ul>	<ul style="list-style-type: none"> <li>➤ HP DesignJet 2000/2500/2800/3000/3500/3800 (UV)*</li> <li>➤ Mimaki JV2-130 (SPC-0180 OG)* ♦</li> <li>➤ Xerox X2 (oilbased) ♦</li> </ul>	<ul style="list-style-type: none"> <li>➤</li> </ul>

\* Media tested with this ink

♦ good or very good water-resistant prints

## Physical Properties

	Unity	Valuation	Test Norm
<b>Test Conditions</b>		23°C / 50% R.F.	
<b>Weight</b>	g/m <sup>2</sup>	400	ISO 537
<b>Thickness</b>	µm	375	ISO535
<b>pH-Value</b>	- log (H <sup>+</sup> )		
<b>Gloss</b>	%		
<b>Whiteness</b>	W <sub>(CIE)</sub>	98	CIELAB-System

## 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 (sagng), 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.

Data mentioned in this product data sheet represents a guideline. Before using our print media please make sure that suitability is secured for your printer. We cannot take liability for any damages which result from changes in printing inks and/or printers. mpa shall not be liable for changes in product design because of new technical developments and may occur without notification. 07.03.2003/stp