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Technical Data Sheet:

MATERIAL: **FOTO BRILLO PIEZO 165 (photograde piezo paper glossy and satin)**

REF: FCJ

- **Material Description**

  Highest grade, single-sided resin (PE)-coated photobase inkjet paper for photorealistic image reproduction.

- **Applications**

  Photograde Piezo Paper is designed for high-quality output on large format piezo inkjet printers. It provides a very sharp and vibrant output. The paper is single-sided coated to improve the flatness.

  The mid-weight RC base is mechanically stable, highly ink-resistant, easy to handle and is easily transported in large format printers. Due to this RC base it is stable against dimensional changes which can occur on some papers where ink is added. It offers excellent image quality for large displays or proofs.

  Laminated prints are suitable for a wide variety of photographic applications such as point of sales displays, exhibitions, CAD rendering and signage.

- **Printer compatibility**

  Photograde Piezo Paper is designed for:

Brand	Type
Jet	Sherpa 2 - Sherpa 43 - Sherpa 54 - Sherpa 62
Epson	5000 - 7000 - 9000 – 10000
Roland	HifiJet – HiFiJet Pro
Mutoh	Falcon Graphics FJ4100 - FJ6100
Kodak	3000 series

  All using the dye water-based vendor's inks. If you use other than the vendor's (dye-based) inks, we recommend making a test print to verify compatibility.

- **Physical properties**

			GLOSS	SATIN
		g/m²	**177**	**177**
Caliper		µm	169	169
Opacity		%	96	96
Lab values	L		96	95
	a		1	1
	b		-2	-2
Gloss	20°	%	35	4
	60°	%	70	31
	85°	%	91	42
Roughness	Ra	µm	0.41	0.91
	Rm	µm	4.93	7.18
	Rz	µm	2.94	6.12
Stiffness	Rm	mN	464	481
	Dm	mN	343	360

- **Printer settings / Ink absorption**

  For the best results use the highest quality mode available, e.g. “High Gloss Photo” mode in your printer set-up. It is recommended to check the ink limitation (~ 210%). If banding occurs check the print heads and / or reduce the printing speed (increase the passes).

  When no the profiles are used, it is recommended to check the ink load in combination with the drying characteristics.

- **Image quality**

  On compatible printers, the Photograde Piezo Paper will produce round, equally sized and sharp-edged dots. Homogeneous colour patches will show no artefacts or colour shifts.

  This paper will give the fullest colour saturation possible with the specified inks.

- **Colour calibration**

  As with all inkjet papers this product should be calibrated to the printer, when first used, to give the desired colour reproduction. Every time when a media is changed, it is necessary to do a new linearization to assure correct colour output.

- **Handling/Transport**

  Photograde Piezo Paper is wound on an industry standard core (50.8 mm/2 inches) with the ink receiving (coated) layer out. Rolls are designed for use in medium humidity conditions (15-25°C/ 60-77°F, at 40-60% RH). Very dry conditions (less than 30% RH) may hamper transport due to curl.

  Avoid touching the ink receiving layer if you don’t wear cotton or plastic gloves. Keep the paper free of dirt or excessive moisture.

- **Drying**

  The drying characteristics are strongly influenced by the ambient temperature and relative humidity. Prior to commercial use it is recommended to make a print test.

  The prints should neither be piled up nor wound on the take-up spool if they are not completely dry. If drying time is too long check the media profile you are using as well as the inkload and printmode.

- **Light stability**

  Direct sunlight and UV will cause visible image deterioration on unprotected paper within.

  We recommend that images subjected to such conditions be laminated or coated with a UV-protective layer.

- **Water resistance**

  Photograde Piezo Paper shows high resistance to smudges and finger prints. Yet, direct contact with water or storage under very high humidity should be avoided. Keep your images in a dry, cool and dark place if long term storage is required.

- **Lamination**

  Photograde papers are compatible with a wide range of hot and cold laminating systems.

  Make sure that the print is completely dry before laminating. When rolling-up the laminated print, it is recommended to do it with the image outside.

  Neschen cold laminates are compatible with the jet papers and offer a perfect protection against water, scratches and UV.

- **Shelf life**

  Under normal conditions (18-25°C/64-77°F, at 40-65% RH) the shelf life of Jet Photograde papers is more than 2 years. Higher humidity and/or temperature can affect the product performance.

- **Ecology**

  The papers and final prints can be handled and disposed of as photographic colour paper or other similar inkjet papers. For treatment of inks, please refer to your printer manual.

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