

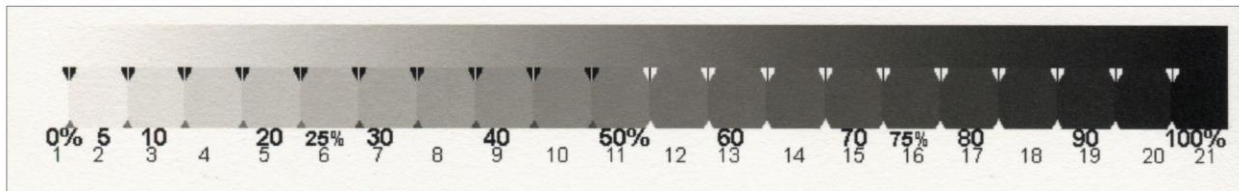
**100% Carbon Printing with the  
Glossy Carbon Variable Tone Inkset on  
Arches Watercolor Paper**

[www.PaulRoark.com](http://www.PaulRoark.com)

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Arches printed with 100% glossy carbon has no greater warmth than when it is printed with Eboni-6 v.1.1.<sup>1</sup> As such, making the most archival prints, using Arches, is just as possible with this inkset as with the Eboni-based inksets. The Arches “dB3” profile (delta Lab B rise of 3 units over the paper base) makes a very good 100% carbon print. In fact, the “dB2” profile even makes a good image. See the image below. When displayed on the wall with appropriate natural paper mat board, prints made with these profiles will be seen as simply good B&W prints with no obvious color.

This is the 100% carbon, 8 inch wide test strip from the Arches “dB2” profile.



With the Arches “dB2” profile the maximum Lab B is 2.3 Lab B units above the paper base. Lab A is essentially flat, staying at the paper base level. Both Lab A and B drop in the deep shadows. The  $d_{max}$  is 1.61.

This relatively neutral 100% carbon printing that uses not just the black only to achieve the result is unique to uncoated papers. Arches watercolor paper with its reasonable  $d_{max}$  makes it unique. I prefer the “bright white” (just bleached more; no OBAs, and still a creamy natural paper) version. I usually print on the back side because I like the texture and that size has a much lower incidence of a loss fiber that could cast a white “shadow” on the image.

The delta Lab B (relative warmth) 100% carbon printing color range of the glossy carbon inkset with coated inkjet paper is about delta B = 8 for matte paper and 13 for glossy paper. When the light blue toner is used, of course, neutral and even cool prints can be made on all types of paper.

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<sup>1</sup> In my spectro reads of straight/standard “serial” QTR profiles for Arches with the Eboni v. 1.1 based inkset versus this inkset, the delta Lab B (maximum Lab B over the paper base) was 3.79 for the Eboni based inkset and 3.56 for this one.