

## Betaflex Pro Ink Mottle Analysis

Ink mottle, whether caused by mechanical, chemical, or other means, degrades the appearance of the finished piece in several ways.

- When it is severe enough to be noticed by the most casual observer, it implies a lack of quality in the package, and by inference, the contents within.
- When it is not readily visible, the loss in maximum density, saturation, and contrast reduce the visual impact of the printed piece.
- Loss of coverage may cause the operator to attempt to increase ink flow when in reality, there is sufficient ink being delivered to the substrate. Poor ink mileage, drying problems, and converting issues may arise as well.

A top-level menu icon calculates mottle for the currently selected color channel.

The images below represent various levels of mottle. The image name represents the measured mottle value as calculated by a new algorithm. The geometry of the defects within the image and the range of tones represented by the defects are weighted along with other factors to produce a numeric value. This number offers excellent agreement to the expert appraisal of mottle on the physical scale involved. The field of view of the Betaflex PRO is approximately 2240 x 1780 microns. The software viewport at normal screen resolution is about 1640 x 1140 microns.



