

#### Actions:

- Check if bonding agent is turned on or off. Consider printing with bonding agent turned on.
- Consider using coated media with bonding agent turned off.
- If use of bonding agent does not eliminate the problem, consider printing with a lower density color profile.

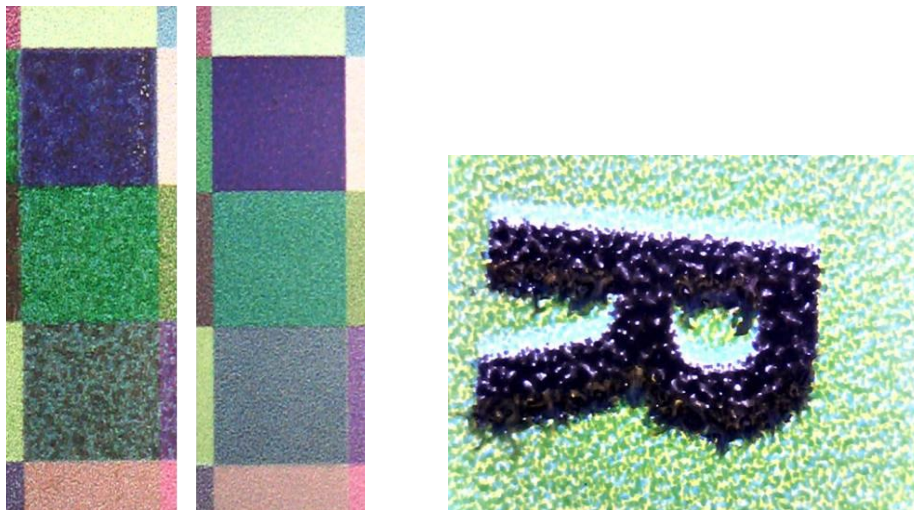
## 4-4 Coalescence

### 4-4-1 Unexpected Interactions with Ink and Media

#### Symptoms and Possible Causes:

Because of the polarity of water (HP inks are water-based), ink drops sometimes bead together on a few various media. When the media is pulled through the web press, the beaded ink is pulled into lines than then soak into the page. This defect appears much like mottling (see 4-3 “[Mottling](#)”), but perhaps with a linear pattern.

#### Images:



**Figure 4-4-1-1 and 4-4-1-2:** Printed content showing coalescence along with good print (left) and coalescence along with bleed/wicking (right)

#### Actions:

- Consider printing on different media; however, this ink and media interaction is difficult to predict.
- Consider printing with a lower density color profile.