Background White Coating – Not Printing!

Harper Corporation of America introduces a unique anilox engraving designed to lay down a uniform background ink film with minimal pinholes and maximum ink film uniformity. The impetus for developing this innovation was a desire to determine the smallest volume of ink that will create an opaque coating.

After extensive development, the engraving shape that evolved is a channeled 30° hexagon with a unique vertical channel that is lower than the side walls. This channel enhances the lay-down of white by delivering a more uniform ink film to the plates. In short, the lack of vertical walls in the engraving mean there’s no interruption to the ink film. The result is an ink film that achieves opacity through uniformity rather than ink volume.

Pinholes are not the only challenge to printing white: pinholes are often combined with areas where the ink film is too thick. This creates an uneven film surface, which leads to slow drying. By balancing the lay down to achieve uniformity of the ink film, Harper’s 30° hexagon achieves an opaque film with minimal volume.

For more information about Harper’s 30° hexagon anilox engraving, please contact:
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