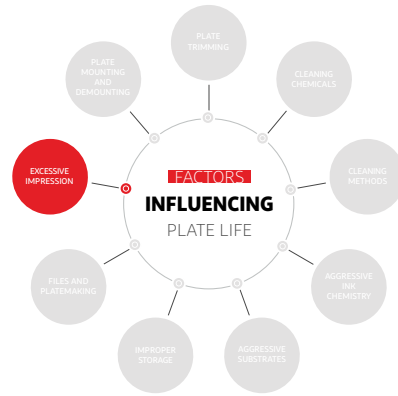


# Excessive Impression

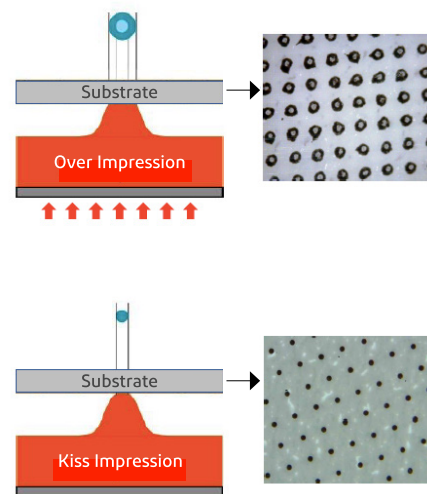


## Impression

Excessive impression on the printing plate can lead to premature wear on the dots and edges of solids. Proper impression setting is key to optimizing the quality and productivity advantages of flexo plates. Too aggressive of an initial impression can prematurely collapse the cushion tape compromising print quality and plate life. When starting up a new job, be sure that you do not use the saved impression from previous job. But instead, zero out the impression and reset it using the new plates/mounting tape.

The best way to prevent premature damage to the plate from over impression is to teach proper impression setting to all press operators. The three steps below insure that the impression is set with as little pressure as possible to reduce plate damage:

1. Set Anilox Impression: Give adequate anilox impression to ensure uniform ink coverage across the plate without over impressing.
2. Set Plate to Substrate Impression: Set plate impression to achieve good impression with all areas of the substrate. Make sure it is balanced side to side.
3. Reset Anilox Impression: Once the plate to substrate impression is correct, fine tune your anilox impression by backing off until the image starts to fade, then come back in enough to correct the fade with uniform image quality across the web.



## Incompatible Cushion Tape can impact plate life

A compatible cushion tape or sticky back should be selected for optimum image transfer. Using too soft or too hard of a tape can be bad. You should take time to optimize and find the best tape durometer for your application.

If the tape durometer is too high, it will increase the stress on the plate when it is under impression. If the tape durometer is too low, then it will require excessive impression for good ink transfer. However, a side effect is that you will see higher dot gain.

Please work with your tape supplier to find the optimum durometer for your press setup and conditions.

DU PONT

Cyrel

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