



DYNAFLEX™ COATING

For Water / UV-based Inks used in Flexographic Printing

Why Does DynaFlex™ Coating Improve the Performance of an Anilox Roller?

As part of the manufacturing process of a general Anilox roller when the cell wall is formed it is not perfectly smooth it contains some micro-porosity. This micro-porosity is a part and parcel of a general anilox roller in use today. During flexographic printing, ink is forced into the cell surface defects which promotes ink build-up in the cell and reduces the overall operating efficiency of the Anilox roller.

What Does DynaFlex™ Coating do?

The coating is formulated to cover the anilox roller surface and cells with a monomolecular coating which does not reduce the ink volume capacity of the Anilox cell. This special coating assists in the efficient release of the ink from the cell and reduces the ability of the the ink to build up in the cell for longer.

Do I Need to Change My Current Cleaning Method or System?

No, all you need to do is apply the DynaFlex™ Coating to a new or thoroughly cleaned Anilox roller. Then simply use as normal. To see how to apply the DynaFlex™ Coating please click on the menu link on the CIL web site. **DynaFlex™ Coating does NOT contain silicone.**

What are the real Benefits / Savings of using the DynaFlex™ Coating

On the Press

Maintain Print Quality for longer.	(Increase production output)
Improved ink release to the web.	(More consistent quality)
Reduce the costly need to break down for Anilox cleaning.	(Increase production output)
Reduce ink dryout / clogging on the press.	(Increase production output)
Reduced press stoppages	(Increase production output)

Off the Press

Reduction in the number of cleaning cycles.	(Cost Saving)
Reduced labour or subcontracting cost for cleaning the Anilox rollers.	(Cost Saving)
Reduced cleaning chemical handling/exposure for workers.	(Improved Health and Safety)
Reduction in the use of costly chemicals or blast media on or off site.	(Cost Saving)
Reduced Anilox damage through less handling.	(Cost Saving)
Free up labour for other duties.	(Cost Saving)

General Benefits

Improved production output.	(More Income)
Anilox rollers less prone to damage (see above).	(Less Cost)
Improved production quality / repeatability.	(More Efficient)
Less cleaning required. (see above tables)	(Improved Health and Safety)
More efficient use of existing labour.	(More Income / Cost Saving)
Improved Anilox roll life.	(Cost Saving)

All the above adds up to savings for you the end user. Does it sound too good to be true?

In tests in the UK and the USA in real world flexographic print operating conditions the above benefits have been identified by the users of the DynaFlex™ Coating.

Dynaloy, Inc. takes every precaution in the manufacture of its products. The information in this sheet is based upon our own research and is considered accurate. However, no warranty is expressed or implied regarding accuracy and results to be obtained, since operating conditions in your plant are beyond our control.

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