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Flint Group launches new plate designed for the nyloflex® NExT exposure technology

nyloflex® NEF Digital – outstanding print quality in flexible packaging and label printing

The innovative nyloflex® NExT exposure technology has impressed the market with its simple way of producing flat top dots and surface screenings. To enhance this further, Flint Group Flexographic Products presents with **nyloflex® NEF Digital** a new high durometer plate that is especially designed for the nyloflex® NExT exposure technology, for printing of flexible packaging and labels.

Developed for the efficient creation of flat top dots and an excellent reproduction of surface screenings, the new plate shows an outstanding quality in highlight areas due to a stable reproduction of the finest highlights and smooth vignettes. It allows for a reduced bump-up, while reaching the first tonal values of e.g. 0.8 to 1.2% at 60 L/cm (152 lpi), hence increasing the image contrast. The ink lay-down can be significantly improved and a high solid ink density achieved when surface screens are applied. The result is a brilliant print performance on film, foil and coated paper substrates.

The short exposure and quick washout times enhance the productivity of plate processing. The new printing plate enables one to exploit the full potential of the nyloflex® NExT exposure technology. Flat top dots are less impression sensitive, enabling less dot gain variances on press. With the nyloflex® NExT exposure technology, no additional processing steps, such as lamination, or additional auxiliaries (like nitrogen supply or film materials) are required, thus making it a more cost effective option.

Although the nyloflex® NEF Digital plate is especially designed for high-output UV LED exposure, it can also be exposed with regular tube light units. Compared to other digital plates in the market, additional benefits can be generated when the nyloflex® NEF Digital plate is exposed with conventional tube light: the new plate is able to reproduce flat top dots with surface screening patterns. Though being less distinct than with the nyloflex® NExT exposure, these screens enable one to achieve a more even ink lay down than reached when regular digital plates are used. In addition, nyloflex® NEF Digital plates require a lower bump up, which allows for the increase of grey levels in printing and the capability to increase the image contrast as compared to regular digital plates in the market.

The new photopolymer printing plate, nyloflex® NEF Digital, will be available to the market in the thicknesses of 114 (.045") and 170 (.067") in the beginning of August 2014.

For more information about Flint Group, please go to www.flintgrp.com or contact info.flexo@flintgrp.com.

Caption:

nyloflex[®] NEF Digital shows outstanding print quality in flexible packaging and label printing

Flint Group

Flint Group is dedicated to serving the global printing and packaging industry. The company develops, manufactures and markets an extensive portfolio of printing consumables, including: a vast range of conventional and energy curable inks and coatings for most offset, flexographic and gravure applications; pressroom chemicals, printing blankets and sleeves for offset printing; photopolymer printing plates and sleeves, plate-making equipment and flexographic sleeve systems; pigments and additives for use in inks and other colourant applications. With a strong customer focus, unmatched service and support, and superior products, Flint Group strives to provide exceptional value, consistent quality and continuous innovation to customers around the world. Headquartered in Luxembourg, Flint Group employs some 6600 people. Revenues for 2013 were € 2.2 billion (US \$2.9 billion). On a worldwide basis, the company is the number one or number two supplier in every major market segment it serves. For more information, please visit www.flintgrp.com