



HP Indigo Pack Ready Coating

Indigo printed, ready to pack



Pack Ready Coating Solution

HP Indigo Pack Ready is a set of game-changing, post-print converting solutions for high-performance applications and immediate time to market.

Developed and patented by HP, Pack Ready is designed to maximize the value of Indigo digital print for labels and packaging. This easy-to-use ecosystem lowers entry barriers with a variety of HP qualified material and hardware solutions.

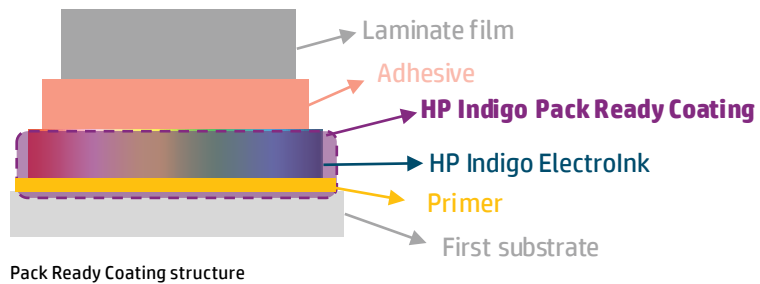
HP is now introducing the Pack Ready Coating solution to extend the application range of digitally printed flexible packaging to high-performance flexible packaging applications such as retort.

Market growing for retort packaging

Retort pouches, used to package heat-treated food, are the fastest growing application in flexible packaging industry. They are being used today as an alternative to traditional industrial canning for longer shelf life, space savings and faster processing. The global retort pouch market value is expected to grow at a CAGR of 8% during 2014-2019. Pet food is the leading retort pouch application and growing SKU diversity of pet food is creating new challenges and pressure on supply chains with traditional production.

A crosslinking technology for high-performance lamination

HP Indigo Pack Ready Coating technology is a solvent-based solution. When applied on the HP Indigo printed film, it penetrates the HP Indigo ElectroInk layer and crosslinks polymer chains of printed film, primer and ink to create a new molecular architecture of polymers. It does not form a separate layer, rather it transforms the HP indigo printed film to have strong physical properties that enable meeting heat treatment conditions such as retort. Withstanding up to 121°C for up to 45 minutes and high retort up to 130°C for up to 30 minutes.



Pack Ready Coating structure

Workflow

HP Indigo Pack Ready Coating is designed to fit into a flexible packaging production floor. The Pack Ready Coating should be applied on top of the printed film, prior to lamination. This additional step can be done on standard solvent-based coaters in an offline process.



Improved durability for non-food surface print applications

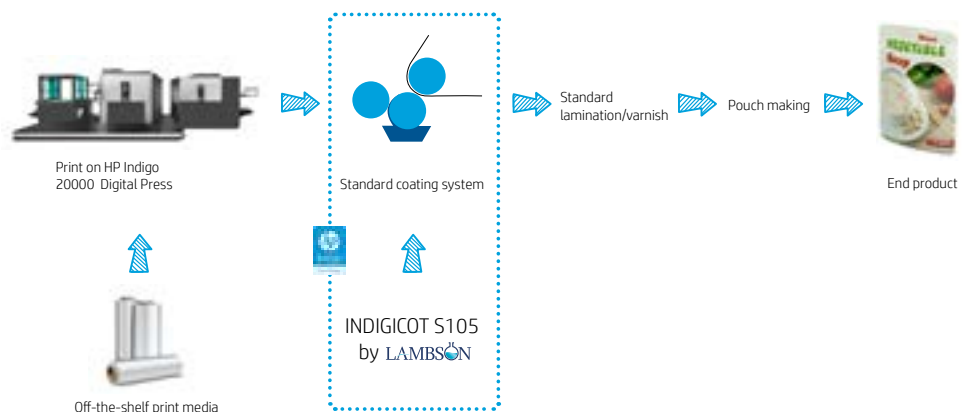
For non-food surface-printed flexible packaging applications, Pack Ready Coating technology can provide excellent protection for the HP indigo ElectroInk layer against aggressive heat sealing conditions, water and aggressive chemicals. Pack Ready Coating can also improve durability performance of HP Indigo printed film while keeping the original characteristics of the printed film.

Compliance with food packaging regulations

Pack Ready Coating, in conjunction with HP Indigo ElectroInk printed on the non-food-contact side of selected polymeric multilayer food packaging, complies with the applicable provisions of European food legislation, under well-defined conditions of use and printing conditions. The Swiss Ordinance provides a positive list of substances that may be used in food packaging inks; the substances used in HP Indigo Pack Ready Coating are listed on the positive list. The responsibility for ensuring compliance and safety of the final printed package lies with the printer and the printer's customers.

HP Indigo Pack Ready community

HP Indigo has licensed HP Indigo Pack Ready Coating to Lambson Ltd. (<http://www.lambson.com>) a global provider of raw material solutions. HP Indigo Pack Ready coating is sold under the name of Lambson INDIGICOT S105 by Lambson.



Learn more at
hp.com/go/indigo

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This is an HP Indigo digital print.

