HP Indigo Labels & Packaging
Over Print Varnish Performance Program

RIT's HP Indigo Over Print Varnish Performance Program enables manufacturers, suppliers and HP Indigo digital press owners to have both waterbase and UV coatings evaluated with HP Indigo digital certified media. The OPV Performance procedure incorporates several tests in accordance with the stated protective uses for the coatings.

As an initial screen test, the OPV will be applied to a certified media that was printed using an HP Indigo ws6000. The OPV will be evaluated for adhesion to the HP Indigo ink and visible orange peeling or mottling. After passing the initial screen test, the coating will be applied to specific test targets for evaluation of chemical and physical properties.

Screening Tests

- Peeling test
- Visible orange peeling or mottling of the coating surface

Full Baseline Test

Mechanical Wear

- Bending test (replicates finishing equipment)
- Crease test
- Abrasion test
- Solvent resistance tests
- Cross cut and peeling test

Optical tests

- Micro gloss
- Whiteness 100% White printed ink and unprinted background

Heat Resistance and Aging Test (optional)

- Direct heat test (replicates heat sealing process)
- Hot surface performance
- High-temperature performance
- Hot water performance (replicates sterilization process)
- Microwave performance (replicates use by end customer)
- Freezing performance

UV Light Resistance Performance (optional)

- Performance evaluation using Xenon arc test chamber

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Reporting

Once completed, a comprehensive report is then generated for each OPV/substrate combination and given to the supplier.

Scheduling

Scheduling depends on facility availability. Attempts will be made to accommodate all scheduling needs.

To schedule evaluation activity, please contact:

Robert Matesic
Printing Applications Laboratory
Tel: (585) 475-7333
Fax: (585) 475-2690
E-mail: rjmasp@rit.edu

Fee

Full Baseline Test	$725 one coating on one substrate
Heat Resistance and Aging	$115 one coating on one substrate
UV Resistance (light fastness)	$350 one coating on one substrate

** Volume Discounts available for requests of more than 10 coatings*

Cancellation Policy

Cancellation within 5 working days of the scheduled trial date will incur a charge of $100 for administrative labor.

Shipping

All OPV samples to be provided in an approved shipping container. One gallon (4 liters) is required for each OPV/substrate combination selected.

All OPV samples must be shipped with an accompanying MSDS. The shipment will not be accepted if no MSDS is provided.

Robert Matesic
Rochester Institute of Technology
Printing Applications Laboratory
66 Lomb Memorial Drive
Building 78, Dock 3
Rochester, NY 14623

Over Print Varnish Data Sheet

Please complete this form for each OPV to be evaluated and return it to Robert Matesic by e-mail (rjmasp@rit.edu) or fax (585-475-2690).

Date:

Evaluation Type: ◯ **Full Baseline Test**

☐ **Heat Resistance & Aging** ☐ **UV Light Resistance**

Unused materials will be returned at the customer's expense.

OPV Manufacturer

Contact Name:

Company Name:

Address:

City/State/Zip Code:

Business Type:

Phone:	Fax:
E-mail:	Web:

OPV Information and Properties

OPV Name:

◯ Water based ◯ UV Curable

Available OPV Substrates: ($725 one coating on one substrate)

☐ Polyethylene ☐ Polypropylene ☐ Metalized Paper ☐ Estate 8

☐ Custom (Call RIT for details)

Manufacturing Facility

☐ US

☐ CANADA

☐ EMEA

☐ ASIA-PACIFIC

☐ LATIN AMERICA

R·I·T Printing Applications Laboratory
Solutions for the Printing and Imaging Industries

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www.printlab.rit.edu