

ANALYTICAL TECHNOLOGY DEPARTMENT



Test Report

BRITISH AMERICAN TOBACCO COMPANY LTD

TECHNOLOGY CENTRE

Southampton England

No. AR. 92-09-005

Subject MATERIALS - B&H OVERPRINTING
COATES INK SYSTEM
SP5/92/1

Authors
MISS LISA MARSHALL

To
MR JOHN DEAR

Circulation

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Signed

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Coates Ink System
Overprint Problem

Samples of B&H printed outers were submitted for testing.

Sample 1	Test outer Ex Heidelberg printing with Mintac added to the Ink.
Sample 2	Test outer Ex Heidelberg printing with Neat Ink.
Sample 3	Test outer with Hot foil print from the Nedata machine.
Sample 4	Standard outer with Neat Ink

Visual Inspection

The overprint on the outers were visually inspected and our assessment was as follows:

Sample 1	Patchy with poor clarity to overprint.
Sample 2	Again patchy with poor clarity to overprint
Sample 3	Clearest and best formed print effect.
Sample 4	Not as clear as 3 but better than 1 and 2, regarded as satisfactory.

The test outers and the standard outers were tested for Surface Tension, Co-Efficient of Friction and Print Stability.

Static Co-Efficient of Friction

Test	0.20
Standard	0.21

Surface Tension

Test	< 30 Dynes
Standard	< 30 Dynes

Print Stability

Test	Some lift of Gold and Black print Satisfactory
Standard	Greater amount of lift of black than the test outer Overall regarded as Satisfactory

Comment

The new Coates Ink system would not appear to improve the quality of the overprinting.

The other parameters measured do not indicate any significant differences between the test and the standard outer, although some improvement in print stability was indicated.

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