

HP CQ849A Durable Black Ink Cartridge

Progressive Profitable Printing



HP CQ849A Durable Black Ink Cartridge

"the best balanced ink between dry time and PQ, including text sharpness, darkness, and barcode readability, on coated media."



- Durability, decap, and print-quality performance at mid-range print speeds
- Substrates including high-quality coated, aqueous overcoated, and varnished media
- Very good optical density and substrate versatility
 - up to 150 ft/min @ 600 dpi
 - up to 200 ft/min @ 300 dpi

Printing Speed	1D Barcode (code 128)					
	40 mil	30 mil	20 mil	10 mil	8 mil	7 mil
75 fpm	Green	Green	Green	Green	Green	Green
100 fpm	Green	Green	Green	Green	Green	Green
150 fpm	Green	Green	Green	Green	Yellow	Yellow
200 fpm	Green	Green	Green	Yellow	Red	Red
250 fpm	Green	Green	Green	Yellow	Red	Red

CQ849A Durable Black Target Market Applications

For product identification coding and
marking,
and
some mail printing applications
particularly on high-quality
coated, aqueous overcoated,
and varnished substrates



Why "Durable Black" ?

Durable Black delivers best-in-class durability, with very good barcode and text, and solid decap performance

Wet Rub

Aurora Cover Gloss		C&A AQ WB Gloss	
Before	After	Before	After
DB	+	DB	+
VB		VB	
45A		45A	
Fast Dry		Fast Dry	

Kelstar AQ 443		Gans Diamond Varnish	
Before	After	Before	After
DB	+	DB	+
VB		VB	
45A		45A	
Fast Dry		Fast Dry	



CQ849A Durable Black extends the TIJ 2.5 Ink Portfolio

high-quality printing at mid-range speeds combining durability, decap, and optical density

Ink Characteristics

	45A/4500	Versatile Black	Fast Dry Black	1918	Durable Black
Ink type	Pigment	Pigment	Pigment	Dye	Pigment
Optical density	Good	Best	Best	Good	Good
Decap	Good	Good	Good	Best	Better
Dry time	Good	Best	Best	Better	Best

Substrate Compatibility

Uncoated	+	+	+	+	+
Matte coated	o	+	o	o	+
Gloss coated	o	+	o	o	+
Overprinted	o	+	o	-	o
Aqueous coating	-	o	-	-	+
Varnish coating	-	+	-	-	+
UV coating	-	-	-	-	-
DuPont™ Tyvek®	o	+	+	-	-
PVC	-	o	-	-	-

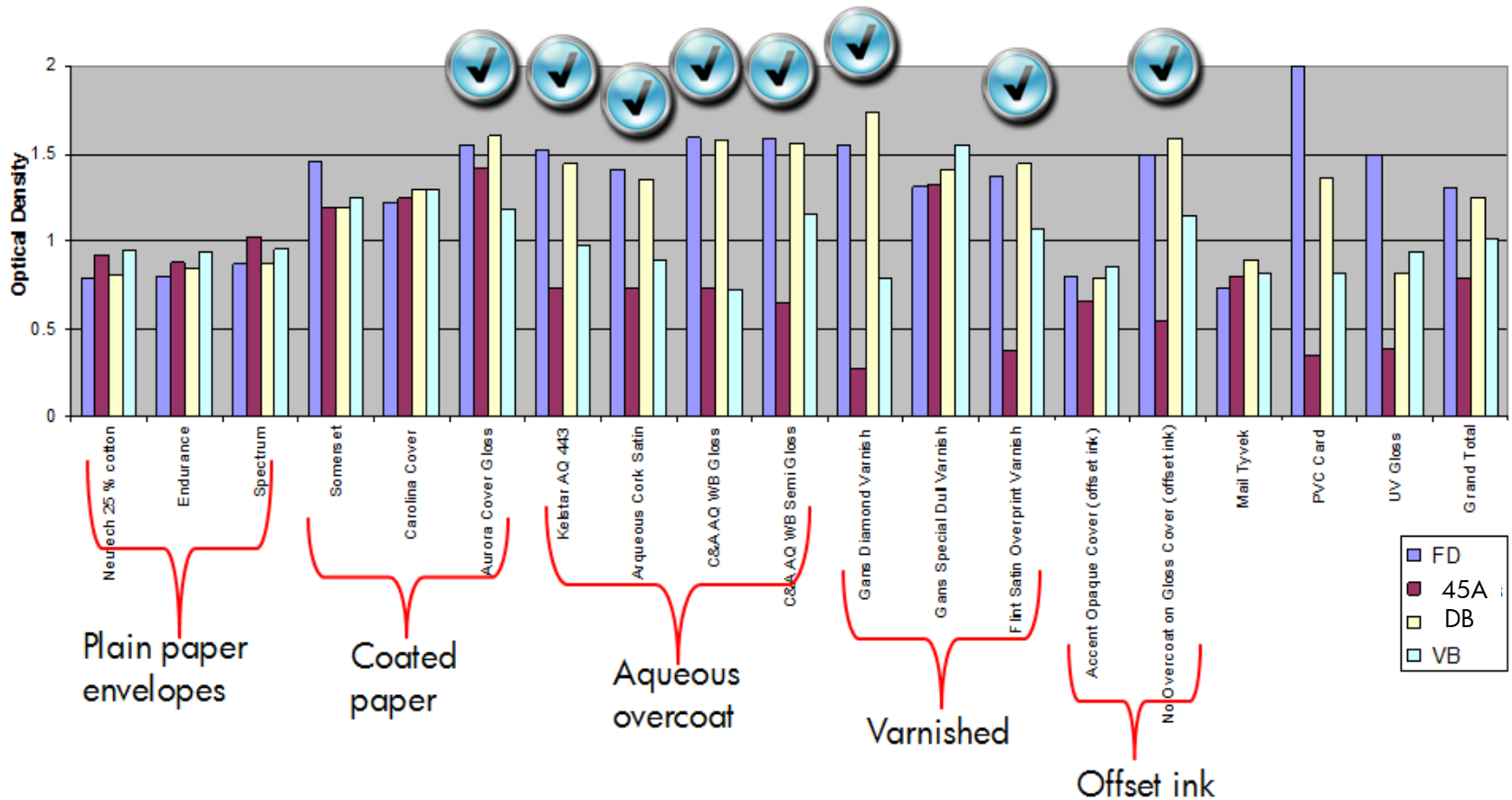
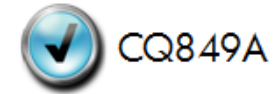
Evaluation notes:

- Ratings show ranking of HP black inks in the HP TIJ 2.5 industrial ink portfolio
- Optical density rankings based on measurements taken on uncoated bond media
- Ink performance may vary based on media, printing system, and environmental conditions. Test the ink in your application to understand true performance.

- + Recommended ink-substrate combination
- o Recommended for some substrates in the category
- Not a recommended ink-substrate combination

HP CQ849A Durable Black – OD vs. Substrates

Optical Density Across Substrate Types



Durable Black FAQ

Q: When is the public launch date?

A: This product was featured on the SPS website starting September 16th, and shown at an EMEA region tradeshow.

Q: When will Durable Black be available?

A: NOW

Q: What is the price?

A: Talk with your account manager or distributor contact for pricing.

Q: Is marketing collateral available?

A: Yes, a product datasheet, updated Selectability Guide, and hi res photography are all available.

Q: Why does the cartridge have an orange 'clip' instead of 'tape'?

A: The orange clip is used in our US-based production facility. The pallet layer MOQ of 384 reflects a sleeve dimension increase, versus the typical 480 MOQ for taped cartridges.

Q: Will bulk versions of Durable Black be available?

A: Please convey interest to your account manager or distributor contact.



Durable Black

TRY IT!



HP CQ849A Durable Black

Product Specifications

Ink Properties	Product number Target substrates Ink type Resolution Nozzle count Print swath Maximum firing frequency Average drop volume Average delivered ink Number of electrical interconnect pads Operating conditions Shipping/storage conditions (in original packaging only) Orientation: Shelf Life	CQ849A coated, aqueous over-coated, and varnished substrates Pigment based aqueous ink 600 dpi 300 nozzles 0.5 inches 10 kHz 30pL 40ml 52 5 to 40C, 15 to 90% RH 15 to 35° C, up to 90% RH Altitude: 0-5000 meters Nozzles up or side 18 months
Cartridge Use Guidelines	Voltage Pulse width Pulse warming on/off Pulse warming temperature	11 V 1.9 μ sec on 30°C

