

Guidance for when to use B3F58A vs B

Performance differences between the B3F58A and B3F58B products 1

Use the A pen when the following are important

High temperature factory₁

- Decap (time without servicing) is better with A pen in high temperature environments

High humidity factory₂

- Certain media show better dry time with the A pen, especially in high humidity conditions- such as Varnish/Glossy media

Maximum substrate coverage

- Certain media show better print quality with the A pen, independent of factory conditions – such as untreated PP, LDPE

Use the B pen when the following are important

Consistent delivered ink

- B pen has more consistent DIV and higher DIV horizontally

Consistent drop volume

- B pen has more consistent drop volume over life of the pen

Lead time

- B pen has shorter lead time

Regulatory

- B pen materials and mfg. practices are expected to be compliant with EU regulations and guidelines for Product ID printing on certain food packaging materials. Expected in 2HFY17

Warranty

- Longer warrantied end date with B pen (9 mo. vs 6 mo.)

Footnote:

1. High temperature is defined as >35°C

2. High humidity is defined as >50% RH



Performance dashboard

Performance differences between the B3F58A and B3F58B products ¹

Performance Category	A	B	Notes on areas of Difference
Decap at High Temperatures			A has better startup when a pause in printing follows heavy printing, especially in high temperature environments
Delivered Ink Volume (horizontal) ₂	25 ml	31 ml	A has lower average DIV with more variation
Delivered Ink Volume (vertical) ₂	35 ml	34 ml	A has more variation in DIV
Drop Volume ₂	36 pl	38 pl	A has lower drop volume with more variation over life B has higher drop volume with less variation over life
Dry Time/Smear			A has better dry time/smear with coated foil
			A has better dry time/smear with AQ coatings, UV/Varnish Media
Lead Time	30 days NA & EMEA 45 days APJ	30 days NA & EMEA 45 days APJ	
Print Quality from Substrate Wettability			A has better spreading on untreated BOPP, LDPE, PP, giving better PQ/OD and dry time/smear
Shelf Life	9 months	9 months	

Source/Footnote:

1. Results base based on HP internal testing

2. The value is an average

