

# KB-767 EU

## Body Builder

### Description

KB-767 EU was developed as a replacement to dry clay additives in all conventional inks including sheetfed, waterless, and heatset. Suggested usage is 0.5 - 2.0%.

### Performance Characteristics

- Control Misting
- Tighten Body
- Easily milled into inks or added via high speed disperser
- Can be used to convert conventional inks into waterless inks
- No phase separation

### Safety Datasheet

Available on request

Specifications		Values	Method of analysis
Viscosity	dPa.s	50-150	25°C – C&P 10s-1
Appearance		Brownish liquid	

#### Notice:

The presented information is accurate to be the best of our knowledge, but without any guarantee. Users should satisfy themselves on the suitability of this product for their purposes. If necessary, they can consult our technical service staff.

This issue supersedes and cancels all previous issues concerning this product.

## KB-767EU Heatset and Sheetfed Reactivity and Stability Study

Typical sheetfed offset ink was chosen for this study.

### Initial ink specs

Tack @ 1200 rpms/1min : 14.2  
Laray Viscosity: 385  
Laray Yield Value: 3,936

KB-767 EU was added to this ink at 2 and 4% level.  
The following changes in body were observed:

Dates	Visc. (2%)	Yield (2%)	Visc. (4%) *	Yield (4%)
Within 10 minutes of addition**	530	15,847	623	29,127
24 Hours Later	553	15,293	632	33,295
1 Week Later	551	14,852	592	31,578
1 Month Later	559	15,947	651	37,319

\* 4 % of KB-767 is obviously too much to make a good ink in the above system, but this information was included to show the power of KB-767 EU.

Typical web heatset offset ink was chosen for this study.

### Initial ink specs:

Tack @ 1200 rpms/1min.: 10.4  
Laray Viscosity: 237  
Laray Yield Value: 1,351

KB-767 EU was added to the above inks at 2% and 4% level.  
The following changes in body were observed over time:

Dates	Visc.(2%)	Yield (2%)	Visc. (4%)	Yield (4%)
Within 10 minutes of addition**	263	2,246	263	3,254
48 Hours Later	271	2,350	263	4,375
1 Week Later	291	2,563	285	6,120
1 Month Later	291	3,331	307	6,346
6 Weeks Later	357	3,520	353	5,361

\*\* In both sheetfed and heatset inks there was no significant change in initial tack after the addition of the KB-767 EU and after 10 minutes. Initial tacks were not checked on subsequent days but are not expected to have changed much.

For details on the ink formulary, please contact your Umicore sales representative.



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