

Diatone[®] Ecopure SP

PRODUCT DESCRIPTION

The **Diatone[®] Ecopure SP** sheet-fed offset ink is an over-night type process ink, basically developed to be an all purposes offset ink on every kind of paper.

Because its formulation and rub resistance performance, it is ideal for printing on glossy coated paper, mat coated paper and Bristol board, as well.

Its tack and flow are the suitable to have a very good printability in fast presses and with every dampening system.

The **Diatone[®] Ecopure SP** dries faster and gives higher gloss when applying IR. The temperature inside the paper pile must not be higher than 32 ÷ 35° C.

Only four process colors are available.

MAIN CHARACTERISTICS

Over-night performance.-

Not being skinless, this ink can remain in fountain and rollers for 10 to 12 hours, naturally depending on press and room conditions. In any case, for long stops, we recommend using anti-drying spray.

Improved application for low-alcohol fountain solution.-

Both, conventional or low-alcohol fountain solution, can be used enjoying consistent printing quality. Alcohol contents depends on press type, dampening system or additive. In general, we do not recommend alcohol concentrations lower than 5% or higher than 15%.

As general rule, water temperature in each dampening duct, should be:

- Room temperature lower than 25° C : between 10 ÷ 15°C
- Room temperature higher than 25° C: between 7 ÷ 10°C

The best results are for pH value between 4,8 and 5,5.

Diatone® Ecopure SP consistency properties

YELLOW		MAGENTA		CYAN		BLACK	
TACK	FLOW	TACK	FLOW	TACK	FLOW	TACK	FLOW
195	7.0	220	7.5	220	7.5	220	6.5

Tack: This is measured using Tack-o-scope at 100m/min

Flow: This is the slope measured using spread-o-meter.

(Note: The value mentioned in the above table could be modified, in which case they will be upgraded in the next revision of the page web).

Diatone® Ecopure SP resistances table

	YELLOW	MAGENTA	CYAN	BLACK
LIGHT FASTNESS	2-3	5	8	8
HEAT RESISTANCE	4	4	5	5
ACIDS RESISTANCE	5	2	5	5
ALCALI RESISTANCE	5	3	5	5
WAX BLEEDING	3	4	5	5
VINYL COATING RES.	4	4	5	4

Light fastness values follow the European standard (1 ÷ 8)

Other values go from 1 (poor) to 5 (excellent).

REMARKS:

UV varnishing.-

Due to the several factors influencing the UV varnishing process (like varnish quality, waiting time after printing, and so on), we recommend to carry out a previous test.

