

## 1. FIELD OF APPLICATION

Solvent based inks as 2-component system for aluminium foils, pre-treated PE and PP as well as co-extruded PP, paper and carton.

## 2. CHARACTERISTICS

- Free from phthalates and nitrocellulose
- Alternative to NC-based ink systems
- Developed for the pharmaceutical industry
- Meets the special requirements without overprinting varnish
- Developed for the pharmaceutical industry
- High colour strength, brilliance and yield
- Low solvent retention
- Resistant to chemical substances, weak acids and bases as well as solvents and fats
- The ink series corresponds to the provisions of Regulation (EC) No. 1935/2004 when properly used.

## 3. RANGE OF COLOURS

White	ZFZKC1116684
Black	ZFZKC9116690
Green	ZFZKC6116691
Blue	ZFZKC5116693
Violet	ZFZKC5116694
Red 1	ZFZKC3116695
Red 2	ZFZKC3116696
Red 3	ZFZKC3116697
Yellow 1	ZFZKC2116698
Yellow 2	ZFZKC2116692
Yellow 3	ZFZKC2116699
Orange PMS 138	ZFZKC3116680
Red PMS 179	ZFZKC3116679
Red PMS 185	ZFZKC3116681
Blue PMS 314	ZFZKC5116683
Green PMS 347	ZFZKC6116682
Red PMS 214	ZFZKC3116689
Varnish	ZFZKC0116678

## 4. PRINTING AUXILIARIES

Quick drier	Ethylacetat
Thinner	N-Propylacetat
Retarder	ZV116705
Retarder slow	ZV116023
Hardener	ZFZK-0116647

## 5. PROCESSING INFORMATION

The inks will be mixed with the hardener ZFZK-0116647 in ratio 100 parts in weight ink to 15 parts in weight hardener. After mixing with the hardener, the system will be diluted with the thinner to the printing viscosity.

The pot-life of the mixed system Lacquer-Hardener remains 8 hours printable. After this time, the polymerization reactions increase the viscosity and the resistances will be no more guaranteed.

The mixed system Ink-Hardener cures with a chemical reaction. Please do not store the printed material below 15°C. The final resistances of this 2-component system are reached after seven days depending of the storage temperature. Therefore, the control of resistances and fastness should be done after finishing the curing time.

Because the curing reaction continues on the mixed system, the residual quantities can not be stored or reused.

## 6. STORAGE

The storage time should not be longer than six months.

Rust protected containers have to be used in case of decanting.

## 7. PRECAUTIONS

For further information on the safety, storage and environmental aspects please refer to the Material Safety Data Sheet(s) (MSDS).

For further technical information please contact our application engineering:

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