

# NPR Halftone flexo printing

## Technical Data Sheet

## Flexo printing

### 1. FIELDS OF APPLICATION

Ethanol-based ink series with titanium chelate for printing onto aluminium (blank, NC-lacquered), coated and uncoated paper, pre-treated polyethylene, pre-treated (also co-extruded) polypropylene, acrylic coated polypropylene and lacquered polyester.

### 2. PROPERTIES

- Free from phthalates
- Suitable for the food and pharmaceutical industry
- High colour strength, brilliance and yield
- Low solvent retention
- The ink series corresponds to the provisions of Regulation (EC) No. 1935/2004 when properly used.

### 3. FASTNESS INFORMATION

Inks of series NPR are resistant to adhesive tape, scratch-proof, rub resistant and resistant to high sealing temperatures (the temperature depends on the substrate used).

Other fastness characteristics depend on the pigmentation and the printing substrates used. Special fastness information can be provided upon request.

Fastness examinations should not be conducted sooner than 24 hours after the printing process.

### 4. RANGE OF COLOURS

Process Yellow	P.Y. 13	3/115848 NPR	
Solid content: 39,0 %			
Process Magenta	P.R. 146 / P.B.K. 7	8/115849 NPR	
Solid content: 40,4 %			
Process Cyan	P.B. 15:4	1/115850 NPR	
Solid content: 42,9 %			
Process Black	P.B.K. 7	9/115851 NPR	
Solid content: 42,1 %			
Red yellowish	P.R. 48:1	8/115910 NPR	
Solid content: 37,6 %			
Red	PMS 485C	8/116120 NPR	
Solid content: 34,1 %			
Blue reddish	P.B. 15:4 / P.V. 23	1/115911 NPR	
Solid content: 34,6 %			
Yellow (amine-free)		ZLL19411	
Solid content: 27,7 %			

Thinner/Quick drying agent:

Any mixture of ethoxypropanol and ethanol can be used to achieve optimum print results and good drying properties.

Transparent White 115854 NPR  
Solid content: 16,3 %

### 6. STORAGE

RUCO guarantees a shelf life of 12 months; this storage period should not be exceeded.

The recommended storage temperature range is between 10°C and 50°C.

Corrosion protected containers must be used when refilling the inks.

### 7. PRECAUTIONS

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

Please do not hesitate to contact our Application Engineering department if you require additional technical information.

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Solid content: 36,2 % Yellow (amine-free) ZLL19405

