

1. FIELD OF APPLICATION

Ethanol based, NC ink concentrate system for easy preparation of gravure and flexo printing inks for flexible packaging printing on pre-lacquered aluminium, coated and uncoated paper and cardboard, pre-treated PE and PP (also co-extruded), acrylic lacquered PP and pre-lacquered polyester. The concentrates are excellent for applications by automatic mixing stations.

2. PROPERTIES

NC900 ink concentrates can be used universally, have a high colour strength and brilliance, high yield and excellent transparency. Solvents are released very well and therefore the ready mixed inks show low solvent residues. The concentrates can be mixed to printing inks very well and are free from phthalate. The average pigment size (D50 value) is around 0.5 µm. NC900 ink concentrates are suitable for food packaging and conform to REACH.

The ink series corresponds to the provisions of the regulation (EG) no. 1935/2005 when properly processed.

3. FASTNESS INFORMATION

The inks produced from the concentrates are resistant to adhesive tape, scratch and scrub resistant and sealable (the temperature depends on the print substrate).

Further fastnesses are depending on the pigmentation and the used printing substrate. Special fastness information will be made available on request.

Fastness examinations should not be done before a period of 24 h after the printing process.

4. COLOUR RANGE

White	P.W.6	Y900NC1006
Yellow	P.Y.13	Y900NC2013
Yellow	P.Y.74	Y900NC2074
Yellow	P.Y.83	Y900NC2083
Orange	P.O.5	Y900NC3005
Orange	P.O.34	Y900NC3034
Red	P.R.2	Y900NC3002
Red	P.R.266	Y900NC3266
Red	P.R.57:1	Y900NC3571
Violet	P.V.23	Y900NC5023
Violet	P.V.37	Y900NC5037
Blue	P.B.15:4	Y900NC5154
Green	P.G.7	Y900NC6007
Black	P.BI.7	Y900NC9007

(additional colour shades available upon request)

5. AUXILIARIES

Gravure Varnish (foils)	Y200NC0002
Flexo Varnish (foils)	Y200NC0003
Gravure Varnish (paper/cardboard)	Y100NC0001
Flexo Varnish (paper/cardboard)	Y100NC0002
Flexo Varnish for Laminating	Y600NC0001
Flexo Varnish for Aluminium	Y600NC0001
Flexo Varnish for Half Tone	Y200NC0007
Flexo Varnish for Shrink Sleeves	112157 XN-2

Solvents for Gravure Printing

Quick Drying Agent (EA)	002002
Thinner Ethyl Acetate (EA) and Ethanol in any mixture	
Retarder (EP)	002001

Solvents for Flexo Printing

Quick Drying Agent (EA)	002002
Thinner	Ethanol
Retarder (EP)	002001

6. BASE MIXING FORMULATION

Gravure Printing

30 - 40% Concentrate
60 - 70% Varnish
0 - 10% Ethanol

Flexo Printing

30 - 40% Concentrate
50 - 60% Varnish
10 - 20% Ethoxy Propanol (EP)

7. SHELF LIFE

We guarantee a shelf life of six months. Rust protected containers have to be used in case of decanting. We recommend a storage temperature from 10 - 50° C.

8. 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:

A. M. RAMP & Co. GmbH
 RUCO Printing Inks
 Lorsbacher Straße 28
 D-65817 Eppstein
 Tel.: ++49 (0) 6198-304-0
 FAX: ++49 (0) 6198-3 22 88
 e-mail: info@ruco-inks.com
 Internet : www.ruco-inks.com

