

DRY INK NC COLORS Technical Data

Dry Ink NC Colors are pigmented 100% solventless solid products based on modified Nitrocellulose as the main binder.

Inks ready to use are obtained from Dry Ink NC Colors by mixing with solvents according to DRY INK Roto/Flexo Table. Time for mixing, according to the type of equipment, is usually less than 20 minutes.

Types of obtained Inks

- Monosolvent Ethyl Acetate roto inks for the maximum recovery of Ethyl Acetate.
- Plurisolvent inks for roto and flexo.

Properties of the obtained nks

- High quality
- High transparency
- No need of adhesion promoter
- Excellent adhesion
- High definition of half tones
- Easy cleaning of engraved cylinders and anyloxes
- High gloss
- High heat resistance
- High scratch resistance
- Not suitable for pasteurization
- Outside printing
- Reverse printing for lamination
- Double sided printing: contact studioEFFE

Printing Process

- Roto and flexo.

Substrates

- Treated polyethylenes
- Treated polypropylenes
- NC coated films
- NC coated foils
- Paper
- Chemical treated PET
- Acrylic coated films
- Other substrates: contact studioEFFE

Printing Aids

- No special aids are necessary except those well known, such as solvents and retarders.

- Adhesion promoters are not required, but can be used.

Viscosity of the obtained Inks

- 30 to 60 seconds Ford 4 cup at +/- 2% solid concentration of Dry Ink Roto/Flexo table.

Solids of the obtained Inks

- Solids are as per concentration of Dry Ink Roto/Flexo table +/- 2%.

Available Colors

Each color is followed by three digits according to International Color Index of the pigments.

Example:

Example: NC 130 = PY 13

NC 153 = PB 15:3

- Yellow: NC 130, NC 140, NC 170, NC 740, NC 830
- Orange: NC 500, NC 340
- Red: NC 531, NC 481, NC 482, NC 571, NC 122, NC 810
- Violet: NC 300, NC 230
- Blue: NC 153, NC 154, NC 270
- Green: NC 700
- Black: Black

Special colors: contact *studioEFFE*.

Packaging

- 20 Kg cardboard boxes.

Service Life and Storage

- In excess of one year if kept at room temperature (5 to 30°C).

Note

Above information cannot include all variables and factors influencing the applications and usages of Dry Ink NC Colors. Therefore, it is up to the user to proceed with rational carefulness and to contact studioEFFE for assistance.

DRY INK NC COLORS**ROTO/FLEXO TABLE**

INK	Solid	Solvent					
	DRY INK	ROTO		FLEXO			
		EA	TOT	EA	IPA	PM	TOT
Yellow 130	27,99	72,01	100,00	15,50	46,51	10,00	100,00
Orange 500	31,60	68,40	100,00	14,60	43,80	10,00	100,00
Red 481	32,80	67,20	100,00	14,30	42,90	10,00	100,00
Red 482	33,00	67,00	100,00	14,25	42,75	10,00	100,00
Red 571	34,03	65,97	100,00	13,99	41,98	10,00	100,00
Violet 230	28,90	71,10	100,00	15,28	45,82	10,00	100,00
Violet 300	32,94	67,06	100,00	14,27	42,79	10,00	100,00
Blue 153	31,55	68,45	100,00	14,61	43,84	10,00	100,00
Green 700	31,55	68,45	100,00	14,61	43,84	10,00	100,00
Black	34,00	66,00	100,00	14,00	42,00	10,00	100,00

Note:

1. IPA can be substituted all or in part with Ethyl Alcohol.

INK	Solid	Solvent					
	DRY INK	ROTO		FLEXO			
		EA	TOT	EA	IPA	PM	TOT
Yellow 130	Kg 20,00	51,45	71,45	16,08	48,22	7,15	71,45
Orange 500	20,00	43,29	63,29	14,24	42,72	6,33	63,29
Red 481	20,00	40,98	60,98	13,72	41,16	6,10	60,98
Red 482	20,00	40,61	60,61	13,64	40,91	6,06	60,61
Red 571	20,00	38,77	58,77	13,22	39,67	5,88	58,77
Violet 230	20,00	49,20	69,20	15,57	46,71	6,92	69,20
Violet 300	20,00	40,72	60,72	13,66	40,99	6,07	60,72
Blue 153	20,00	43,39	63,39	14,26	42,79	6,34	63,39
Green 700	20,00	43,39	63,39	14,26	42,79	6,34	63,39
Black	20,00	38,82	58,82	13,24	39,70	6,24	58,82

Note:

1. The second column indicates the standard boxes for production in drums.
2. For roto Ethyl Acetate can be in part substituted by Ethyl Alcohol and Isopropyl Alcohol.