



SCREEN PRINTING TEXTILE INK HYDROCOLOR NG

Acrylic water based ink, FORMALDEHYDE FREE for direct printing only on polyester, cotton or blends.

Use

HYDROCOLOR NG is printed with a mesh 48 threads/cm and emulsions such as DIAZO T, UST and 200T.

The thixotropy of the ink can be increased according to the following procedure: add while stirring from 10 g to 25 g of thickener **XH 690** in 5 liters of ink then progressively add 25 g of a 25% ammoniacal solution in water.

Note that the color **HYDROCOLOR NG Gold** is delivered in two packages:

- base for metallic paste (**ref. 3564095**) (in 5 l can)
- rich pale gold paste (**ref. 3562096**) (in 1 kg pot)
- sylvester paste (**ref. 3542047**) (in 1 kg pot)

The base and the paste must be mixed just before use in proportions of 85 / 15 by weight. The mixture obtained must be used the same day.

Specifications

- **Appearance:** satin
- **Smell:** very few

Fixing:

Standard drying in the tunnel :

All the shades of colors should be cured from 2 to 3 min at 160°C in the IR tunnel

Alternative drying with catalyst:

In case the screen printer does not have any dryer to cure the inks then the following mixes must be used

For covering white : add catalyst (**ref. 3540561**) in the ink - 2% - pot life: 8 hours

For shades except neon colors and metallic shades: add catalyst (**ref. 35A4064**) - 5% - pot life: 48 hours max.

IMPORTANT:

Neon colors and metallic shades must be absolutely cured 2 to 3 min. at 160°C in IR tunnel.

The polymerization cannot be done with catalysts

In order to improve the resistance, it will be possible to add the catalysts in the inks and cure 2 to 3 min at 160°C in IR tunnel.

■ **Solidity:**
correctly fixed, **HYDROCOLOR NG** ink resists to domestic washings (cycles for printed fabrics from 30°C to 50°C)

■ **Coverage rate:**
varies from 9 to 12 m²/l depending on the screen used and the substrate printed

■ **Diluent retarder:** 3X9394

■ **Cleaning the equipment:** water

■ **Expiry:** refer to the label

Toxicology

The **HYDROCOLOR NG** inks comply with EN 71-3 standard.

TIFLEX would like to draw your attention to the following points:

Washing resistance may be reduced with some dyes rich in bases or white (transparent or pastel colors).

The washing resistance may also be reduced due to fibrillation (fibres projecting through the printing) with some fabrics.

This phenomenon is independent of the ink polymerisation.

Before starting production, you are recommended to check the ink compatibility and resistance on a textile by washing the finished article according to the conditions indicated on its label.

STANDARD COLORS	Ref. 1 l	Ref. 5 l
Thinner white	35A2085A	35A4085A
Covering white	35A2087	35A4087
Lemon	35A2002A	35A4002A
Gold yellow	35A2004A	35A4004A
Orange	35A2006A	35A4006A
Scarlet	35A2007A	35A4007A
Red	35A2010A	35A4010A
Dark red	35A2011A	35A4011A
Fuchsia	35A2015A	35A4015A
Purple / Violet	35A2016A	35A4016A
Bright blue	35A2020A	35A4020A
Royal blue	35A2025A	35A2025A
Deep blue	35A2026A	35A4026A
Bright green	35A2030A	35A4030A
Dark green	35A2034A	35A4034A
Olive green	35A2035A	35A4035A
Brown*	35A2042A	35A4042A
Black	35A2044A	35A4044A

Non contractual colors and pictures
On simple request, we can propose you a color panel card displaying accurate shades.

STANDARD COLORS	Ref. 1 l	Ref. 5 l
PROCESS COLORS		
Process yellow	35A2050A	35A4050A
Process magenta	35A2053A	35A4053A
Process cyan	35A2054A	35A4054A
Process black	35A2056A	35A4056A
NEON COLORS		
Neon lemon	35A2070A	35A4070A
Neon orange*	35A2073A	35A4073A
Neon red*	35A2071A	35A4071A
Neon pink*	35A2074A	35A4074A
Neon green*	35A2072A	35A4072A
BASES		
Thinner base		35A4066A
Production base		35A4058A
Base metallic paste		3524095
SPECIAL EFFECT		
Silver paste, per kg	3542047	
Gold paste, per kg		3562096
ADDITIVES		
Room temperature hardener, per 100 g*		
Catalyst, in 100 g dose		35A0564
Thickener, in 25 g dose		35A0263

* Acrylic water based ink, contains FORMALDEHYDE

* ref. 3540561 : Acute inhalation toxicity, Category 4 ; Skin sensitisation, Category 1 ; Specific target organ toxicity (single exposure), Category 3 ; Hazardous to the aquatic environment - Chronic hazard, Category 3



Silver paste

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