



# TIFLEX

TECHNOLOGICAL & INDUSTRIAL SOLUTIONS

## TEXTILE INKS

### ■ HYDROCOLOR

Water based ink intended for printing on fabrics composed of polyester and cotton.

marquer le monde\*

**farben-frikell**

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SCREEN PRINTING

\* making an impression

## HYDROCOLOR

**Water based ink intended for printing on fabrics composed of polyester and cotton.**

### SPECIFICATIONS

- Smell: few
- Average density: 1 except for opaque white: 1.41
- Fixing: - 2 to 3 min. at 160°C in IR tunnel  
- by cold catalysis with an addition before printing of 2% of catalyst XH 650 (2% representing 2% of the ink weigh); in this case, the catalyzed ink can only be used for 48 h.  
**Caution:** covering white, fluo colours and the metallised inks must absolutely be cured, since they are not used with the catalyst correctly fixed, **HYDROCOLOR** ink resists to domestic washings (cycles for printed fabrics from 30°C to 50°C)
- Solidity:
- Covering power by opacity: low, except for opaque white which can be used for printing on dark fabrics
- Superposition: all of the colours can be printed «wet on wet»
- Coverage rate: varies from 9 to 12 m<sup>2</sup>/l depending on the screen used and the substrate printed
- Cleaning the equipment: water
- Expiry: refer to the label

### USE

**HYDROCOLOR** ink is used at delivery viscosity with 48 threads/cm mesh, water resistant solutions (DIAZO T, UST or 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 litres of ink then progressively add 25 g of a 25% ammoniacal solution in water.  
Note that the colour **HYDROCOLOR Gold** is delivered in two packages:

- base for metallic paste 3564095 (in 5 l can)
- rich pale gold paste 3562096 (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.

### STORAGE AND TOXICOLOGY

The **HYDROCOLOR** inks contain no dangerous solvents (in compliance with the Decree dated 21/02/90).  
They comply with EN 71-3 standard.



## STANDARD COLOURS

Ref.	Packaging
<b>LEMON</b>	
3562018	1 l
3564018	5 l

Ref.	Packaging
<b>GOLD YELLOW</b>	
3562027	1 l
3564027	5 l

Ref.	Packaging
<b>ORANGE</b>	
3562031	1 l
3564031	5 l

Ref.	Packaging
<b>SCARLET</b>	
3562036	1 l
3564036	5 l

Ref.	Packaging
<b>RED</b>	
3562039	1 l
3564039	5 l

Ref.	Packaging
<b>DARK RED</b>	
3562037	1 l
3564037	5 l

Ref.	Packaging
<b>FUCHSIA</b>	
3562038	1 l
3564038	5 l

Ref.	Packaging
<b>VIOLET</b>	
3562042	1 l
3564042	5 l

Ref.	Packaging
<b>BRIGHT BLUE</b>	
3562044	1 l
3564044	5 l

Ref.	Packaging
<b>ROYAL BLUE</b>	
3562050	1 l
3564050	5 l

Ref.	Packaging
<b>DEEP BLUE</b>	
3562054	1 l
3564054	5 l

Ref.	Packaging
<b>BRIGHT GREEN</b>	
3562063	1 l
3564063	5 l

Ref.	Packaging
<b>DARK GREEN</b>	
3562067	1 l
3564067	5 l

Ref.	Packaging
<b>OLIVE GREEN</b>	
3562070	1 l
3564070	5 l

Ref.	Packaging
<b>BROWN</b>	
3562072	1 l
3564072	5 l

Ref.	Packaging
<b>BLACK</b>	
3562081	1 l
3564081	5 l

<b>THINNER WHITE</b>	
3562009	1 l
3564009	5 l

<b>COVERING WHITE</b>	
3562013	1 l
3564013	5 l

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

## SCREEN PRINTING

Only our Web-site is authorised to give real-time information about our inks. Paper notices are considered unwritten and no longer engage our company's responsibility once they are updated on our Web-site. Our responsibility can be engaged only if the customer has based his position on the information published on our Web-site. In all cases, the user should carry out validation tests under his own conditions before using our inks for his production. The safety data sheets are available free at: [www.tiflex.com/fds](http://www.tiflex.com/fds)

### 4-COLOURS PROCESS

Ref.	Packaging
<b>4-COLOURS YELLOW</b>	
3562028	1 l
3564028	5 l
<b>4-COLOURS MAGENTA</b>	
3562046	1 l
3564046	5 l
<b>4-COLOURS CYAN</b>	
3562047	1 l
3564047	5 l
<b>4-COLOURS BLACK</b>	
3562082	1 l
3564082	5 l

### FLUO

Ref.	Packaging
<b>FLUO LEMON</b>	
3562021	1 l
3564021	5 l
<b>FLUO GOLD YELLOW</b>	
3562029	1 l
3564029	5 l
<b>FLUO ORANGE</b>	
3562033	1 l
3564033	5 l
<b>FLUO RED</b>	
3562041	1 l
3564041	5 l
<b>FLUO PINK</b>	
3562040	1 l
3564040	5 l
<b>FLUO GREEN</b>	
3562065	1 l
3564065	5 l

### BASES

Ref.	Packaging
<b>THINNER BASE</b>	
3564090	5 l
<b>PRODUCTION BASE</b>	
3564093	5 l
<b>BASE FOR METALLIC PASTE</b>	
3564095	5 l

### SPECIAL EFFECT

Ref.	Packaging
<b>RICH PALE GOLD PASTE</b>	
3562096	1 l

### ADDITIVES

Ref.	Packaging
<b>CATALYST XH 650</b>	
3560506	100 g
<b>THICKENER XH 690</b>	
3560203	25 g



#### 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 colours).

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.

