



SCREEN PRINTING TEXTILE INK POLYTHANE

It offers a strong covering power and high flexibility required for folding and bending operations. Air drying ink intended for printing on fabrics and especially thick synthetics, used mainly to make bags, covers, cases, elastomer TPU, clothing, etc...

Use

POLYTHANE ink can be used on most substrates made from synthetic fabric, using screens ranging from 21 threads (for retroreflective silver **ref. 3472075** and reflective **ref. 3472078**) to 90 threads/ cm.

For ordinary use where no specific resistance is required it can be used without catalyst.

When increased resistance is required (adherence, flexibility, weather resistance), add to the **POLYTHANE** ink 10% by weight of hardener XF 822.

When printing on textile which will be washed in domestic washing machines, it is essential to use catalyst XF 822.

We recommend you to check the ink compatibility and resistance on a textile by washing the printed item according to the specifications written on its label.

This ink combined with a catalyst allows you to print on working cloths by direct printing or by transfer

(contact us for more informations). For fabrics on which adherence is an issue we recommend to use both the hardener together with the adherence agent (3472090) (3% in the ink)

Printing by transfer

You must use a powder adhesive for printing transfer.

Polythane ink, combined with 10% of hardener XF 822 (representing 10% of the ink weigh), will be fixed on polyester film for matt transfer only (**2543600 or 3543700**)

Pre-gelling: ambient air or in the tunnel (1 min at 110°C after letting an adhesive powder)

Wait for 72 hours.

Printing transfer: pressure 3 to 5 bars, temperature: 170°C - 190°C. Time: 12 to 15 seconds












We advise you to check the following parameters with several washing resistance tests.

Specifications

■ Appearance:	satın	■ Weather resistance:	good
■ Average density:	1,30	■ Light fastness:	good
■ Viscosity:	38 ± 5 Pa.s	■ Solvents:	
■ Drying:		thinner	4905
• ambient air	30 min. at 20°C	retarder	4906
• air jet dryer	2 min. at 60°C	■ Cleaning solvents:	
■ Pot life of the ink + catalyst mixture:	12 hours	manual	2891, NS-81, NS-91
■ Opacity:	excellent	and NS-99	
■ Coverage rate: with a 48 mesh	25 m ² /kg	washer	2881, 2899, NS-81, NS-91 and NS-99
		■ Storage and expiry:	refer to the label

Toxicology

The **POLYTHANE** inks comply with EN 71-3 standard.

STANDARD COLOURS		Ref. 1 kg
	White	3472012
	Antibleeding white	3472086
	Antibleeding gray	3472043
	Lemon OP	3472002
	Gold yellow OP	3472004
	Orange OP	3472006
	Cherry red OP	3472008
	Cyclamen	3472039
	Purple / Violet	3472042
	Primary blue	3472048
	Deep blue	3472050
	Medium green OP	3472033
	Deep green OP	3472034
	Black	3472072

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

STANDARD COLOURS		Ref. 1 kg
4-COLOURS PROCESS THIXO		
Thixo 4-colours yellow		3472051
Thixo 4-colours magenta		3472052
Thixo 4-colours cyan		3472054
Thixo 4-colours black		3472056
Thixo 4-colours base		3472058
OPAQUE		
White		3472085
Yellow		3472087
Red		3472088
Green		3472089
BASE		
Thinner base		3472084
SPECIAL EFFECT		
Retroreflective silver		3472075
Reflective		3472078
ADDITIVES		
Catalyst XF 822, in 100 g dose		3470503
Flexible catalyst, in 130 g dose		3470805
Gelling agent, per kg		3952061
Adhesion agent, 100 ml		3470590
Adhesion agent, 1 l		3472090



IMP. TIFLEX 01.01.2018 - Non contractual colours and pictures - 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

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