TCI 8700

Type
Air drying two-component ink, tunnel drying possible, also appropriate for pad printing.

Application
On aluminium, polyacrylics, pvc, polyester, pre-treated polyethylene and polypropylene, various other synthetic materials with, if necessary the use of an adhesion agent. (See this leaflet and ink additives.)

Qualities
General
Very good printing qualities and elastic. Good chemical and weather resistance.

Drying
Air drying: 5 - 20 minutes. Tunnel drying: 15 - 40 seconds at 45-55° C. Oven temperature 5 - 10 minutes at 180° C or 25 - 30 minutes at 120° C.

Gloss
Glossy.

Spreading
Through 73-55, 120-34 mesh: 35 - 60 m²/l.

Colour mixing
In this ink series not only the Visprox colours according to the Colormatic matching system can be obtained by using the mixing colours A-M but also colours of other matching systems. Pantone formulations are available. Condition: 100-34 mesh, white substrate.

EN 71.3/ ASTM F 963
All the mentioned colours comply to the EN 71.3 and the ASTM F 963 norm.

Use
Hardener 2
Mixing ratio: add 6 - 10% Hardener no.2 (TCI 8785) to the ink.

Thinner
Machine printing: 15 - 20% thinner 10 can be added. Hand printing/fine details: 15 - 20% of retarder 8 or retarder 4 can be added as well. Various other thinners can also be added.

Pot life
The pot life of the mixture ink-hardener 2 is about 72 hours.

Attention
When printing overlapping prints with TCI 8700 colours or varnish see to it that this will be done within 48 hours.

Hardener no.9
Glass hardener to achieve a good dishwasher resistance.
Mixing ratio: add 6% of Hardener no. 9 to the TCI 8700 ink. To achieve a good dishwasher resistance you have to bake the ink at a temperature of 140° C for 20 minutes.

Mesh
73-55, 120-34.

Cleaning
Appropriate are: Screenwash , -T.X.F., -L.O.D. and Super Screenwash.

General
Security
All our inks are provided with security- and health instructions.

TCI 8700

Colour range

Standard colours

8701 L	White
8701 EO*	White
8701 EO*	White Flat
8702 M	Black
8702	Black Flat
8702 EO*	Black
8703	Light Gray
8706	Medium Yellow
8707	Bright Orange
8710	Bright Red
8715	Sky Blue
8722	Brilliant Blue
8723	Mono Blue
8727	Blue
8729	Azure Blue
8733	Super Orange
8738	Brilliant Green
8739	Spring Green
8741	Pale Red
8745	Clear Flat
8747	Silver
8700	Sparkling Silver
8700	Glittering Silver Fine
8700	Glittering Silver Coarse
8700	Pearl Base
8749	Clear/Overprint Varnish

Colormatic matching colors

8700	A Lemon Yellow
8700	B Golden Yellow
8700	C Orange
8700	D Red
8700	E Carmine
8700	F Pink
8700	G Bright Violet
8700	H Permanent Blue
8700	K Permanent Green
8701	L White
8702	M Black
8749	Clear/Overprint Varnish

Halftone process colours

8750	Clear Tix
8751	Yellow Tix
8752	Cyan Tix
8753	Magenta Tix
8754	Black Tix
8755	Rubine Red Tix

*** E.O.=** Extra Opaque

Additives

Polyester bonding improver
Hardener no. 2
Hardener no. 5
Hardener no. 9

Thinner/Retarder

Retarder4 (special retarder extra slow)
Retarder 8
Thinner 10
Thinner11 (spray thinner)

This technical information is meant to be a guide-line. Even though the information is given after detailed examination and to the best of our knowledge, Visprox B.V. can take no responsibility for it. Please continually make proof prints before printing the whole run.