

TCP 9900

Code VX9900

PRODUCT DESCRIPTION

One and two component solvent-based ink with glossy finish.

APPLICATION FIELDS

TCP 9900 is mainly used for printing of advertising, POP, display, stickers and graphic works in general. This product is extremely versatile and multipurpose.

GENERAL FEATURES

- Excellent flexibility
- Excellent printability
- Quick drying
- Excellent opacity
- Good light fastness
- Good chemical resistances
- Excellent mechanical resistances

APPLICATION PROCESS

SCREEN PRINTING	
Substrates	PVC, ABS, PS, PC, PMMA, PES, PET-G, PRE-TREATED PP, ALUMINIUM, GLASS, PAPER
Th/Cm	Max 165 Th/cm
Emulsion	See the product range table
Squeegee	Square edge Squeegee hardness 60-75 Shores
Drying	Dust free after 20 min. at room temperature; completely dried after 24 hours. Few minutes with hot air 50/60°C
Thinners	Thinner 10 (VXTH10L1 and VXTH10L5)
Retarder	Retarder 4 (VXTH4L1)
Additives	Gel Retarder C.L. (VXGELRETARDCLL1); Polyester Bonding Improver (VXPOLBONDN0.1)
Adhesion promoters	Hardener N. 2 - 100 g. (VXHR2N0.1)
Cleaning	Cleaner 920 (NCL920L5);
Storage	The products, kept in their sealed original packages away from heat sources and at a temperature between 15 and 30 °C, have a shelflife of two years.
Packaging	See the product range table
Safety data sheet	Available upon request

PAD PRINTING	
Cliché	From 26 to 40 micron
Pad	5-15 shore
Drying	Dust free after one minute at room temperature, completely dried after 24 hours. Few seconds with hot air
Thinners	Thinner 2 (VXTH2L1) Thinner 10 (VXTH10L1 e VXTH10L5)
Retarder	Retarder 4 (VXTH4L1)
Additives	Gel Retarder C.L. (VXGELRETARDCLL1); Polyester Bonding Improver (VXPOLBONDN0.1)
Hardeners	Hardener N.2 (VXHR2N0.1) Hardener N.5 (VXHR5L0.1 - VXHR5L0.5) Hardener N.8 (VXHR8L0.1) Hardener N.9 (VXHR9L0.1)
Cleaning	Cleaner 920 (NCL920L5 - NCL920L25 - NCL920L180)

PREPARATION

Before using, the ink must be well mixed and, in case, diluted according to the printing requirements.

TECHNICAL FEATURES

Hardeners must be always added before dilution or any addition of other additives, and the pot-life of the hardened product is about 48 hours.

In order to increase adhesion onto difficult substrates, that are hard to be printed such as polypropylene, it is recommended to add up to 10% Hardener N.2.

For printing onto glass, it is necessary to add 20% Hardener N.5 or 6% Hardener N.9 and dry the ink at 150°C during 20 minutes.

In order to increase adhesion onto metals, it is suggested to add 10% Hardener N.8 and dry the ink at 140°C during 20 minutes.

In order to increase adhesion onto polyester, it is possible to add up to 20% Polyester Bonding Improver

INFO CHEMICALS RESISTANCE

TCP + HARDENER 5	
RES. ALCOHOL	5
RES. ACETONE	1
RES. 100 OCTANES PETROL	5
TCP + HARDENER 8	
RES. ALCOHOL	5
RES. ACETONE	2/3
RES. 100 OCTANES PETROL	4/5
TCP + HARDENER 9	
RES. ALCOHOL	5
RES. ACETONE	3/4
RES. 100 OCTANES PETROL	5

Range Valuation: 0 - Poor 5 - Excellent

Test carried on: Glass – Steel – Painted alluminium.
The test are the results obtained in our laboratories.

PRODUCT RANGE

BLACKS AND WHITES

CODE	PRODUCT	PACK
VX9901EOL1	TCP 9901 WHITE EO	1 L
VX9901LL1	TCP 9901 WHITE L	1 L
VX9902EOL1	TCP 9902 BLACK EO	1 L
VX9902ML1	TCP 9902 BLACK M	1 L
VX9902SOL1	TCP 9902 SO BLACK	1 L

COLORMATIC

CODE	PRODUCT	PACK
VX990AL1	TCP 9900 LEMON YELLOW A	1 L
VX990BL1	TCP 9900 GOLDEN YELLOW B	1 L
VX990CL1	TCP 9900 ORANGE C	1 L
VX990DL1	TCP 9900 RED D	1 L
VX990EL1	TCP 9900E CARMINE	1 L
VX990FL1	TCP 9900 PINK F	1 L
VX990GL1	TCP 9900 BRIGHT VIOLET G	1 L
VX990HL1	TCP 9900 PERMANENT BLUE H	1 L
VX990KL1	TCP 9900 PERMANENT GREEN K	1 L

OPAQUE COLOURS

CODE	PRODUCT	PACK
VX9904EOL1	TCP 9904 PRIMEROSE YELLOW EO	1 L
VX9931EOL1	TCP 9931 RICH YELLOW EO	1 L
VX9933EOL1	TCP 9933 SUPER ORANGE EO	1 L
VX9900SPEEREDL1	TCP 9900 SPECIAL RED	1 L
VX9908EOL1	TCP 9908 FIRE RED EO	1 L
VX9936L1	TCP 9936 OPAQUE PINK	1 L
VX9922EOL1	TCP 9922 BRILLANT BLUE EO	1 L
VX9922L1	TCP 9922 BRILLANT BLUE	1 L
VX9942L1	TCP 9942 DARK BLUE	1 L
VX9918EOL1	TCP 9918 MEDIUM GREEN EO	1 L
VX9960L1	TCP 9960 VIOLET	1 L

OTHER PRODUCTS

CODE	PRODUCT	PACK
VX9947EOL1	TCP 9947 SILVER EO	1 L
VX9947L1	TCP 9947 SILVER	1 L
VX9949L1	TCP 9949 TRANSPARENT BASE	1 L
VX99462L1	TCP 9946-2 RICH GOLD	1 L
VXSPARKSL1	TCP 9900 SPARKLING SILVER	1 L

SPECIAL RECOMMENDATIONS

- Always test the features of the product before proceed to production.
- The information presented are the result of past experiences and knowledge they do not represent warranty or insurance.

IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us of the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

WARNING

This technical data sheet does not replace either the Safety Data Sheet or the specific Conformity Declaration. These documents may be required to our SHEQ (Product safety office), at the following e-mail address: safety@eptainks.com

The technical data sheet does not relieve the printer, who remains the only responsible of the respect of the regulations, the specifications and the related required certifications of the finished items.