



Coates Screen

Product Data Sheet

PAD PRINTING INKS TP/UVG

APPLICATION

For glass, ceramics, metals including chromium-plated surfaces.

UV-CURING

Pad printing inks TP/UVG only cure under UV-radiation of suitable wavelength and intensity. Drying parameter depend on layer thickness, colour and substrate.

Curing energy should be between 500 and 1000 mJ/cm². Maximum chemical and abrasion resistance will be achieved after a period of 24 hours.

COLOUR SHADES

The colour shades of the TP/UVG range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

ADJUSTMENT FOR PAD PRINTING

Printing consistency is adjusted with 10-20% thinner.

Thinner	Additive A
	Additive B
	Additive C

For retardation use TPD. If retarder TPD is too slow, also thinner VD 60 can be used as retarder.

Adhesion and chemical resistance can be improved considerably – especially on metal substrates - with addition of hardener TP 219/GL.

Mixing ratio pad printing ink TP/UVG : hardener TP 219/GL is 20:1 parts by weight. Pot life of the mixed ink is approx. 8 hours.

CLEANING

For cleaning of stencils and tools our thinner VD 40 and Cliché Spray can be used.

PACKING

Pad printing inks TP/UVG are available in 1 litre cans (approx. 1.06 qt.).

SHELF LIFE

For information regarding shelf life please see tin label.

CLASSIFICATION

Read material safety data sheets prior to processing.

The material safety data sheets according to Regulation (EC) No 1907/2006 contain classification according to preparations directive (1999/45/EC) as well as instructions for precautions when processing, handling and storing as well as first aid.

The information given in the material safety data sheet refers to processing as described in this product data sheet.

PROCESS COLOURS ACCORDING TO EUROPE SCALE			
yellow	TP/UVG-180		
magenta	TP/UVG-181		
cyan	TP/UVG-182		
C-MIX 2000 BASE COLOURS			
primerose	TP/UVG-Y30	violet	TP/UVG-V50
golden yellow	TP/UVG-Y50	blue	TP/UVG-B50
orange	TP/UVG-O50	green	TP/UVG-G50
scarlet	TP/UVG-R20	black	TP/UVG-N50
red	TP/UVG-R50	white	TP/UVG-W50
magenta	TP/UVG-M50	varnish	TP/UVG-E50
BRONZE INKS			
silver	TP/UVG 79		

The statements in our product and safety data sheets are based on our present experiences, however they are no assurance of product properties and do not justify a contractual legal relationship. They serve to advise our business associates, but it is absolutely necessary to make your own printing tests under local conditions, with regard to the intended purpose prior to starting the job. - All former product data sheets are no longer valid. DECEMBER 2008 – VERSION NO. 3

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