



Coates Screen

# Product Data Sheet

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## SCREEN PRINTING INKS PO

### APPLICATION

Screen printing inks PO are suitable for printing onto pretreated polyolefines, such as polyethylene and polypropylene as well as various coated metals, wood, cardboards etc.

### PROPERTIES AND DRYING

If processed as 1-component ink screen printing inks PO dry quickly by evaporation of solvents. PO inks may also be processed as 2-component ink with hardener ZH, mixing ratio 10 : 1 parts by weight. Such prints result in more resistant prints (increased water and solvent resistance).

Screen printing inks PO show a glossy finish. Depending on the colour shade they show medium to good opacity.

### PIGMENTS AND LIGHT FASTNESS

Light fastness of the pigments used in this ink series is about 7-8 according to wool scale.

The colour shades PO-NT and C-MIX-2000 show heavy-metal free pigmentation and correspond to the requirements of EN 71, part 3, safety of toys, migration of certain elements.

### ADJUSTMENT FOR SCREEN PRINTING

PO can be processed as 1-and as 2-component ink. For 1-component processing use thinners VD 20, VD 60 or retarder VZ 25. Addition of 15-20% is sufficient.

If processed as 2-component ink PO inks are mixed with hardener ZH or hardener ZH/N/00 at a mixing ratio of 10 : 1 parts by weight each (hardener ZH more yellowing, shorter pot life; hardener ZH/N/00 less yellowing, longer pot life). Then also adjust using thinners VD 20, VD 60 or retarder VZ 25.

Pot life of PO 2-component inks is approx. 6-8 hours. Readily mixed bronze shades will show a shorter pot life.

### CLEANING OF STENCILS AND TOOLS

Screen printing inks PO may be removed easily from stencils and tools using URS, URS 3 or thinner VD 40.

### PACKING

Screen printing inks PO are available 1 and 5 liter containers.

### SHELF LIFE

For information regarding shelf life please see tin label.

### MARKING

### 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.

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

<b>STANDARD SHADES</b>			
citric yellow	PO 10/NT	special ultra marine	PO 32/NT
medium yellow	PO 11/NT	dark blue	PO 33/NT
dark yellow	PO 12/NT	turquoise	PO 34/NT
orange	PO 15/NT	violet	PO 37/NT
ochre yellow	PO 17/NT	light green	PO 40/NT
light red	PO 20/NT	fir green	PO 41/NT
red bright	PO 21/NT	brilliant green	PO 42/NT
carmine red	PO 22/NT	light brown	PO 50/NT
pink	PO 24/NT	dark brown	PO 51/NT
light blue	PO 30/NT	white	PO 60/NT
ultra marine	PO 31/NT	black	PO 65/NT
<b>PROCESS COLOURS ACCORDING TO EUROPE SCALE</b>			
yellow	PO 180/NT		
magenta	PO 181/NT		
cyan	PO 182/NT		
<b>C-MIX 2000 BASE COLOURS</b>			
primrose	PO/Y30	violet	PO/V50
golden yellow	PO/Y50	blue	PO/B50
orange	PO/O50	green	PO/G50
scarlet	PO/R20	black	PO/N50
red	PO/R50	white	PO/W50
magenta	PO/M50	varnish	PO/E50
<b>SPECIAL SHADES</b>			
gold	PO 76/AB		
transparent paste	PO/TP		
bronze binder	PO/B		

*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. APRIL 2008 – VERSION No. 3*

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