



Coates Screen

Product Data Sheet

SCREEN PRINTING INKS CC

APPLICATION

Laminable screen printing inks for rigid PVC. Also suitable as gloss inks for rigid and plasticized PVC for welding applications. For cheque, credit, phone and personnel cards etc.

CHARACTERISTICS

Screen printing inks CC-NT are air drying and result in a high gloss finish. Generally a 120-34 polyester fabric (305 mesh) is used.

PIGMENTS AND LIGHT FASTNESS

CC/NT inks show high heat resistance. All colour shades are manufactured using pigments with a light fastness of 7-8 according to wool scale.

In addition Pantone and RAL formulations are available, either in list form or on disk.

The colour shades of CC-NT inks 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

Printing consistency is adjusted using thinners VD 30, JVH and retarders VZ 10 and VZ 40. However, in order to avoid solvent content in the print during lamination process only small amounts of retarder (up to 5%) should be used.

DRYING

Screen printing inks CC-NT are air drying (20°C) in approx. 5 min, i.e. they dry by evaporation of solvents.

Use of a belt dryer at approx. 50°C will reduce drying time to approx. 25 seconds. Although drying is quite quick screen openness is very good so that even under difficult conditions finest details can be printed.

BRONZE INKS

Gold and silver bronzes are only delivered in unmixed condition. In order to give a better view the following product names have to be applied from now on:

Product name

88 parts	12 parts	=	shade
CC 75 A-NT +	B 79/16	=	CC 75-NT
CC 76 A-NT +	B 79/16	=	CC 76-NT
CC 77 A-NT +	B 79/16	=	CC 77-NT
CC 78 A-NT +	B 79/16	=	CC 78-NT
CC 79 A-NT +	B 79/16	=	CC 79-NT

These components show good miscibility. In order to increase laserability bronze content can be reduced by 10%. Generally these mixtures can be processed for 1-3 months. See also our supplement to colour card CC-NT.

CLEANING OF STENCILS AND TOOLS

CC/NT-inks can be removed from stencils and tools using universal cleaning agent URS or URS 3.

SHELF LIFE

For information regarding shelf life please see tin label.

PACKING

Screen printing inks CC-NT are available in 1 liter containers.

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	CC 180/NT
magenta	CC 181/NT
cyan	CC 182/NT

**C-MIX 2000
BASE COLOURS**

primrose	CC/Y30	violet	CC/V50
golden yellow	CC/Y50	blue	CC/B50
orange	CC/O50	green	CC/G50
scarlet	CC/R20	black	CC/N50
red	CC/R50	white	CC/W50
magenta	CC/M50	varnish	CC/E50

Using white CC/W50 and ink mixtures with a high content of white (>50%) one can only laminate after addition of 30% CC/E50 or CC 70/01.

METAL GLOSS COLOURS

rich gold	CC 75/A-NT	rich pale gold	CC 76/A-NT
pale gold	CC 77/A-NT	copper	CC 78/A-NT
silver	CC 79/A-NT	bronze binder	CC/B
transparent paste	CC/TP		

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. 4

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