



Coates Screen

Product Data Sheet

PAD PRINTING INKS TP/UV-151619

APPLICATION

For printing onto pre-treated polypropylene. Due to various degrees of polymerisation as well as contents and fillers the substrate polypropylene shows an undefined printability. Therefore printing tests in production conditions are absolutely necessary.

UV-CURING

Pad printing inks TP/UV-151619 only cure under UV-radiation of suitable wavelength and intensity. Drying parameter depend on layer thickness, colour and substrate.

Curing energy should be between 750 and 1500 mJ/cm². Maximum chemical and abrasion resistance will be achieved after a period of 24 hours.

NOTE: Cured prints are difficult to overprint. Therefore, there should be no intermediate curing in multi-colour printing. Cure after printing all layers.

COLOUR SHADES

The colour shades of the TP/UV-151619 range show heavy metal free pigmentation and correspond to EN 71, part 3, safety of toys, migration of certain elements.

AUXILIARY AGENTS

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.

CLEANING

Pad printing inks TP/UV-151619 can be removed from clichés and tools using thinner VD 40 or Cliché Spray.

PACKING

TP/UV-151619 inks are available in 1 liter containers.

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.

**C-MIX 2000
BASE COLOURS**

primrose	TP/UV-Y30-151619	violet	TP/UV-V50-151619
golden yellow	TP/UV-Y50-151619	blue	TP/UV-B50-151619
orange	TP/UV-O50-151619	green	TP/UV-G50-151619
scarlet	TP/UV-R20-151619	black	TP/UV-N50-151619
red	TP/UV-R50-151619	white	TP/UV-W50-151619
magenta	TP/UV-M50-151619	varnish	TP/UV-E50-151619

PROCESS COLOURS ACCORDING TO EUROPE SCALE

yellow	TP/UV-180-151619
magenta	TP/UV-181-151619
cyan	TP/UV-182-151619

BRONZE INKS

Bronze pastes and powders B 75 to B 79 are available for printing of silver and gold colour shades.

The bronze pastes are mixed with the corresponding varnish TP/UV-E50-151619 prior to processing.

Gold and silver bronzes are metal pigments which may react with the pH-acidic UV components. Therefore mixed bronze inks should be processed quickly (pot life of approx. 24 hours).

Mixing ratios (parts by weight) are as follows:

Gold bronze paste	: TP/UV-E50-151619	1:3
Silver bronze paste	: TP/UV-E50-151619	1:4

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

Coates Screen Inks GmbH
Wiederholdplatz 1 90451 Nürnberg
Phone: 0911 6422 0 Fax: 0911 6422 200
<http://www.coates.de>
