

# SCREEN-AND PAD PRINTING Inks [Selection] for Printing on Plastic Materials

Plastics – a vast variety of substrates. The printing technology with the best suitability for plastics is screen and pad printing. Naturally with inks from Coates Screen Inks.

### CONTAINER PRINTING – PRINT REAL EYE-CATCHERS

Drinking bottles for sportsmen, ketchup bottles, cosmetic tubes, lip sticks, cream containers etc, silicone cartridges, oil cans etc.

**Substrates:** mostly pre-treated PP and PE, partially ABS, PS



### YOU GOT THE CHOICE!

#### UV-CURING SCREEN PRINTING INKS:

Inks of our product family 80UV show best suitability for printing of pre-treated PP and PE, especially on very quick multi-colour printing equipment.

**80UV** Standard, medium viscosity, for HD-PE and PP

**81UV** Standard, high viscosity, for HD-PE and PP

**831UV-SF** Free of silicone, for LD-PE, over-printable

**851UV** For food packaging made of HD-PE and PP

Formulation data base for PMS colours for UV-package printing is available as download.

#### SCREEN PRINTING INKS, SOLVENT BASED:

The following 2-component ink systems are available for screen printing equipment not equipped with UV-driers.

**YN** (ABS), PMMA, pre-treated PP/ PE

**Z** Pre-treated PP, PE

**Z/PVC** ABS, SAN, pre-treated PP/ PE

**ZGM** Pre-treated PP/ PE

**ZM** Pre-treated PP/ PE; good folding resistance

**ZMN** ABS, PMMA, pre-treated PP/ PE

= Solvent based ink with especially environmentally compatible formulation.

For detailed information please read our technical data sheets.



# SCREEN-AND-PAD

## FOR PRINTING ON PLASTIC MATERIALS

### CONTAINER PRINTING



### PAD PRINTING INKS, SOLVENT BASED:

Small cosmetic containers are often pad printed. To meet the required resistance properties, often 2-component inks are used.

TP 218	Pre-treated PP/ PE
TP 300	PMMA, pre-treated PP/ PE
✓ TP 307	ABS, PMMA, pre-treated PP/ PE
✓ TP 318	Pre-treated PP/ PE
✓ TP 400	(ABS), PMMA, pre-treated PP/ PE

### BOTTLE CLOSURES – A ROUND MATTER

Mostly decorated in mass production on quick running pad printing rotation equipment.

**Substrates:** Pre-treated PP and PE  
**Production:** Injection moulding  
 Compression moulding



### PAD PRINTING INKS, SOLVENT BASED:

<b>TP 300</b>	Standard, optimum printability
<b>TP 300-111580</b>	Cyclohexanone free adjustment of TP 300
✓ <b>TP 400</b>	New ink generation Optimum printability
✓ TP 313	Special applications
✓ TPE-HF	Free of halogens

### MEDICAL-TECHNICAL APPLICATIONS

Inks have to meet highest requirements in respect to safety, compatibility and resistance.

**Products:** Various. Housings, measurement devices, flexible tubes etc.

**Substrates:** e.g. ABS, PC, PMMA, PU, POM, PP, PE.



### PAD PRINTING INKS, SOLVENT BASED:

Certified according to USP, Medical Class VI

<b>TP 300</b>	Vast variety of substrates, optimum printability. PA, PC, PMMA, PP, PE
TP 218	High resistance PA, PC, POM, pre-treated PP/ PE
TP 260	Extremely high resistance PA, PC, POM, pre-treated PP/ PE
✓ TP 313	PS, ABS, PC, PMMA
✓ <b>TP 400</b>	Very large number of substrates Very good printability PA, PC, pre-treated PP/ PE

# Printing Inks [Selection]

## PAD PRINTING INKS, SOLVENT BASED:

Many of our screen and pad printing inks meet the requirements of Toy Standard EN 71-3:2019. The ink ranges mostly used are:

TP/PP	PP, without pre-treatment
TP253	PU, TPU/TPE
<b>TP 300</b>	Vast variety of substrates, such as PA, PC, PMMA, PP, PE
✓ TP 307	PMMA, pre-treated PP/PE
✓ TP 400	Large variety of substrates such as PA, PC, PP, PE

## SCREEN PRINTING INKS, SOLVENT BASED:

PP	PP, without pre-treatment
TZ	PU, TPU/TPE
HG	Vast variety of substrates, such as PA, PC, PMMA, PP, PE
✓ ZMN	PMMA, pre-treated PP/PE

## SCREEN PRINTING INKS, SOLVENT BASED:

Our inks are used world-wide by well-known automotive suppliers:

<b>CX-AM</b>	Dials, PC displays
Z /PVC	PVC stickers, ABS, SAN, PMMA
Z 70/76-DD	Extremely resistant protective varnish for PVC stickers

## PAD PRINTING INKS, SOLVENT BASED:

TP 300	Such as PA, PC, PMMA.
✓ TP 400	Such as PA, PC, PMMA
TP 218	Such as PA, POM

✓ = Solvent based ink with especially environmentally compatible formulation.

For detailed information please read our technical data sheets.

## TOYS

Inks have to meet highest requirements in respect to safety and compatibility.

**Products:** Large variety

**Substrates:** Various. e.g. ABS, PMMA, PU, PP, PE



## AUTOMOTIVE

Exceptionally high quality requirements, very tight tolerances

**Products:** Various. Dials, displays, formed parts, stickers etc.

**Substrates:** Various. e.g. ABS, PA, PC, PVC PMMA



# SCREEN-AND PAD PRINTING Inks [Selection] for Printing on Plastic Materials

## ELECTRICAL APPLIANCES TOOLS/ COMMODITIES



Inks must be long-lasting "Survivors"

**Products:** Large range  
**Substrates:** Various. E.g. ABS, SAN, PA, PU, POM





## PAD PRINTING INKS, SOLVENT BASED:

Most commonly used ink ranges are:

<b>TP/PP</b>	PP, without pre-treatment
<b>TP 253</b>	PU, TPU/TPE
<b>TP 300</b>	Vast variety of substrates. such as PA, PC, PMMA, PP, PE
 <b>TP 307</b>	PMMA, pre-treated PP/PE
 <b>TP 400</b>	Large variety of substrates such as PA, PC, PP, PE

## SCREEN PRINTING INKS, SOLVENT BASED:

<b>TZ</b>	PU, TPU/TPE
<b>Z</b>	PA, PMMA
 <b>ZMN</b>	PMMA, pre-treated PP/PE

 = Solvent based ink with especially environmentally compatible formulation.

For detailed information please read our technical data sheets.  
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