

# Pad printing inks



**1857**  
163 YEARS  
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MADE IN GERMANY



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Pad printing inks for universal use

# T200



## ■ Your benefits

- Free from phthalates and BPA as well as cyclohexanone, butyl glycolate, aromatic solvents, barium, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - USP Medical Class VI (exclusively for black)
  - GADSL list
- Meets the criteria of Michigan Testing Institute; can therefore be used for components in automotive sector
- Compliant with the current European standard EN 71-3
- Compliant with the current European standard EN 71-9 (exclusively for basic colour shades, white and black)
- Low PAH, category 1 according to AfPS GS 2014:01
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Compliant with the current Toy Safety Directive
- Suitable for printing onto the non-food contact side of packaging
- Good mechanical and chemical resistance
- Excellent adhesion properties
- Machine speeds of up to 4,000 pieces/hour
- Very high opacity through special pigmentation
- High light fastness and weather resistance

## ■ Characteristics

- 1C/2C pad printing ink
- High opacity, high gloss and fast drying
- Can be used in screen printing also

## ■ Substrates

- ABS, acrylic glass, rigid PVC, pre-treated P. E / PP, coated surfaces (wood), SAN, PA, PET, PC, PS, paper and carton

## ■ Product range

- 10 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black
- Printing white and printing black
- Silver and gold



# Rotary and high speed universal pad printing ink

## T1 20 (HF)



### ■ Your benefits

- Free from phthalates, halogens, BPA, cyclohexanone, butyl glycolate, aromatic solvents, barium, fluorine, chlorine and MOAH + MOSH (AGEC 1<sup>st</sup> Jan 23)
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - GADSL list
- Compliant with the current European standard EN 71-3
- Compliant with the current European standard EN 71-9 (exclusively for basic colour shades, white and black)
- Low PAH, category 1 according to AfPS GS 2014:01
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Suitable for printing onto the non-food contact side of packaging
- Optimal rheology and viscosity for rotary pad printing
- Excellent adhesion properties
- Good mechanical and chemical resistance
- Excellent ink transfer
- Short drying time, speedy subsequent finishing processes and very good bulk material resistance
- High light fastness and weather resistance

### ■ Characteristics

- 1C/2C pad printing ink
- High opacity, high gloss and fast drying
- Can be used in screen printing also

### ■ Substrates

- Pre-treated PE and PP, PET

### ■ Product range

- 9 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black
- Silver and gold



## T35



### ■ Your benefits

- Free from phthalates, halogens and BPA as well as cyclohexanone, butyl glycolate, aromatic solvents, barium, fluorine and bromine
- Compliant with the current Toy Safety Directive
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - GADSL list
- Compliant with the current European standard EN 71-3
- Compliant with the current European standard EN 71-9 (exclusively for basic colour shades, white and black)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Suitable for printing onto the non-food contact side of packaging
- Environmentally friendly in production and processing
- Good mechanical and chemical resistance
- Machine speeds of up to 4,000 pieces/hour when using fast dryers
- High light fastness and weather resistance

### ■ Characteristics

- 1C pad printing ink
- Elastic, glossy ink film, physically drying

### ■ Substrates

- ABS, SAN, acrylic glass and PS

### ■ Product range

- 9 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black
- Silver, gold, copper and other metal-effect inks





# T01 / T01 (HF)



## ■ Your benefits

- Free from phthalates and cyclohexanone as well as butyl glycolate, aromatic solvents, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - GADSL list
- Compliant with the current European standard EN 71-3 (exclusively for basic colour shades, white and black)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Excellent adhesion properties during processing
- Good mechanical and chemical resistance
- High light fastness and weather resistance
- Special HF (halogen free) color available

## ■ Characteristics

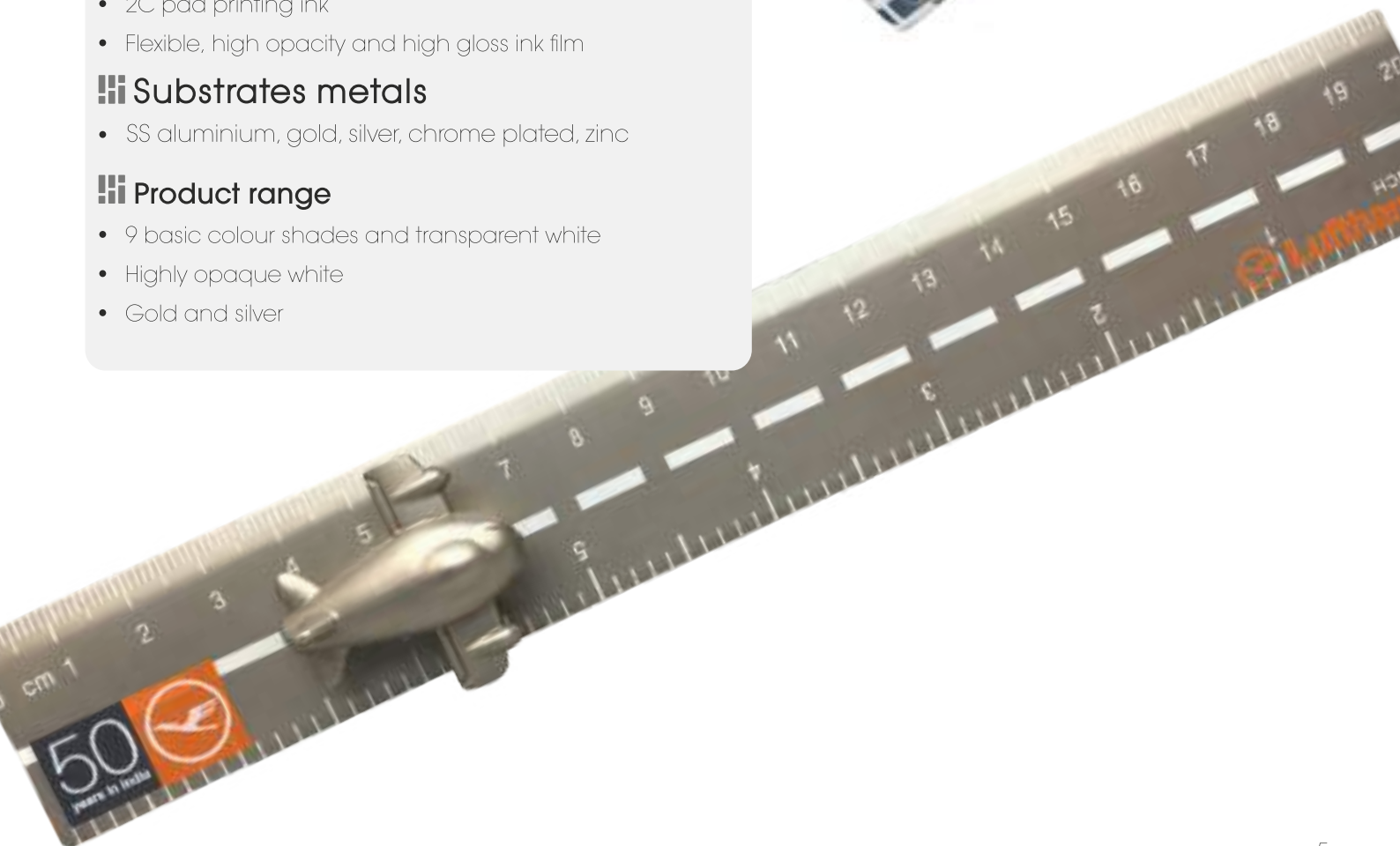
- 2C pad printing ink
- Flexible, high opacity and high gloss ink film

## ■ Substrates metals

- SS aluminium, gold, silver, chrome plated, zinc

## ■ Product range

- 9 basic colour shades and transparent white
- Highly opaque white
- Gold and silver



# Pad printing inks for plastics

## T01 / T01 (HF)



### ■ Your benefits

- Free from phthalates and cyclohexanone as well as butyl glycolate, aromatic solvents, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - GADSL list
- Compliant with the current European standard EN 71-3 (exclusively for basic colour shades, white and black)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Excellent adhesion properties during processing
- Good mechanical and chemical resistance
- High light fastness and weather resistance
- Special HF (halogen free) color available

### ■ Characteristics

- 2C pad printing ink
- Flexible, high opacity and high gloss ink film

### ■ Substrates plastics

- Rigid PVC, lacquered surfaces, thermosets, PA, PC, PU, acrylic, pre-treated PE/PP

### ■ Product range

- 9 basic colour shades and transparent white
- Highly opaque white
- Gold and silver







## T01

### !!! Your benefits

- Free from phthalates and cyclohexanone as well as butyl glycolate, aromatic solvents, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - Swiss Ordinance (SR 817.023.21)
  - Canadian Hazardous Products Act (R.S., c.H-3, s.1.)
  - GADSL list
- Compliant with the current European standard EN 71-3 (exclusively for basic colour shades, white and black)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Excellent adhesion properties during processing
- Good mechanical and chemical resistance
- High light fastness and weather resistance
- Special HF (halogen free) color available

### !!! Characteristics

- 2C pad printing ink
- Flexible, high opacity and high gloss ink film

### !!! Substrates glass & ceramics

- Flat glass, Coated glass, Hollow ware, Porcelain, Stone ware, Bone China

### !!! Product range

- 9 basic colour shades and transparent white
- Highly opaque white
- Gold and silver





## T28

### ■ Your benefits

- Free from phthalates and cyclohexanone as well as aromatic solvents, barium, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - GADSL list
- Compliant with the current European standard EN 71-3 (exclusively for basic colour shades, white and black)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Pad printing ink for printing and coating
- Drying of ink film at room temperature or heat-forced oven drying for 20 minutes at 80°C
- Excellent adhesion immediately after heat-drying
- Very good resistance against chemicals (alkalines, solvents) water and abrasion
- High dishwasher resistance (500 / 2,000 cycles minimum in household / industrial dishwasher)
- Heavy-metal-free formulations (according to the current European standard EN 71-3)
- Ice water and frost resistance down to -20°C
- High light fastness and weather resistance

### ■ Characteristics

- 2C pad printing ink
- Highly opaque, glossy and physically drying
- Can be used in screen printing also

### ■ Substrates

- Glass, Ceramics und metal

### ■ Product range

- 11 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black



# Pad printing inks for untreated polypropylene

## T25



### ■ Your benefits

- Free from phthalates, BPA, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - GADSL list
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Excellent adhesion properties
- Good mechanical and chemical resistance
- High light fastness and weather resistance

### ■ Characteristics

- 1C pad printing ink
- Elastic, glossy ink film, physically drying

### ■ Substrates

- Un-treated polypropylene
- Polyolefins, Nylon

### ■ Product range

- 11 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white, black, yellow and red





High chemical & mechanical resistant ink for automotive sector

# T38



## ■ Your benefits

- Free from phthalates, BPA, fluorine and bromine
- Corresponds to common industrial standards and the
  - EuPIA Exclusion Policy
  - REACH regulation (SVHC)
  - GADSL list (automotive sector)
- RoHS compliant (2015/863/EU) // (2011/65/EU)
- Meets the highest standards with regard to chemical and mechanical resistance
- Comparatively long pot life of approx. 12 hours
- Cross-linking completed after 36 hours maximum
- High light fastness and weather resistance

## ■ Characteristics

- 2C pad printing ink
- Elastic and glossy ink film
- Can be used in screen printing also
- Very good chemical and mechanical resistance
- Good flexibility
- Guaranteed high opacity

## ■ Substrates

- ABS, Rigid PVC, lacquered surfaces, metal, PA, PC, pre-treated PE/PP and polyester
- PU, Glass, Nylon filled lacquered substrates, PBT

## ■ Product range

- 11 basic colour shades and transparent white
- Process colours for 4-colour set
- Highly opaque white and black
- Overprinting varnish and process paste



Screen/pad/spray coating ink for universal use

# T400



## ■ Your benefits

- Versatile one and two component ink for screen and pad printing. Specially developed for nylons and thermosetting plastics
- Complies with EEC regulation EN 71-3 (Safety of Toys), part 3 (Migration of Certain Elements). Rest all benefits of T200 inks

## ■ Characteristics

- Cyclohexanone-free
- Glossy, physically drying and chemically reactive screen printing ink exhibits good mechanical and chemical resistance, and good flexibility.
- 1 and 2 component ink suitable for Pad printing as well as screen printing.

## ■ Substrates

- ABS, acrylic glass, lacquered surfaces, metal, paper, carton, polyamide, polycarbonate, pre-treated poly-ethylene (PE) and polypropylene (PP), polystyrene, polyurethane and rigid PVC, nylons.

## ■ Product range

- 9 basic colour shades
- Field proven mixing formulations exist for Pantone, HKS, RAL, NCS, etc.
- Good light fastness and opacity



# The all-rounder of printing inks









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