

1. APPLICATION FIELDS:

Versatile one or two component ink for pad and screen printing on

- ABS (acrylonitrile butadiene styrene),
- acrylic glass,
- rigid PVC,
- pre-treated PE and PP,
- coated surfaces (wood),
- SAN (styrene acrylonitrile),
- PA (polyamide),
- PET (polyester),
- polycarbonate,
- polystyrene,
- paper and carton

While printing on plastics such as ABS, acrylic glass and styrene tension corrosion can appear while using certain solvents.

Substrates may differ in their chemical structure or method of manufacture. A test for suitability must always be carried out before printing. Antistatic, Mould Release Agents and Slip Additives may have negative effects on adhesion, and should be detected and removed prior to printing.

2. CHARACTERISTICS:

This glossy, physically drying and chemical reactive printing ink exhibits good mechanical and chemical resistance, as well as a good flexibility.

The T200 series is

- free from phthalates and BPA as well as cyclohexanone, butyl glycolate and aromatic solvents

Provided they are printed in a proper and professional way, the printing inks of series T200 can be applied to the non-food contact surface of food packaging materials and articles.

The T200 series can be printed with fast drying units up to 4000 pieces/ hour in pad and screen printing machines. A special product test is recommended prior to production.

The used raw materials comply with the limits of metal elements stipulated by the actual EEC regulation *EN 71-3 (Safety of Toys), part 3* (Migration of Certain Elements).

For Gold- and Silver inks it is recommended to proof if the thresholds for aluminum, copper and zinc are respected.

3. RANGE OF COLOURS:

The basic ink mixing system consists of 10 basic colours and may be used for the mixing of a wide colour shade range. Field proven mixing formulations exist for Pantone®, HKS, RAL, NCS, etc.

3.1 Basic colours:

Light Yellow	M 01	T200-2000
Medium Yellow	M 02	T200-2001
Orange	M 03	T200-3000
Light Red	M 05	T200-3001
Pink	M 06	T200-3002
Violet	M 07	T200-5000
Blue	M 08	T200-5001
Green	M 09	T200-6000
White	M 11	T200-1000
Black	M 12	T200-9000
Clear Base	M 0	T200-0001

3.2 Euro-Colours / 4-Colour Process Printing Inks:

For 4-colour process printing according to ISO 2846, 4 Euro-basic colours are available:

Europa-Yellow	T200-2002
Europa-Magenta	T200-3003
Europa-Cyan	T200-5002
Europa-Black	T200-9001

3.3 Special products:

White (high opaque adjustment)	T200-1004
Black (high opaque adjustment)	T200-9002
Printing White	T200-1007
Printing Black	T200-9023
Raster Paste (add. max. 10%)	T200-0005
Overprinting Lacquer	T200-0006

3.3.1 Bronze Colours:

Silver (1K)	T200-4000
Gold (1K)	T200-4001

4. ADDITIVES:

4.1 Thinner:

Prior to production, the printing ink has to be adjusted to the printing viscosity by the addition of thinner.

Addition Thinner 25-35%

Thinner, slow 600-1800 parts/hour	VD 100VR1453
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Thinner, standard 1800-2800 parts/hour	VD 100VR1450
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Thinner, fast 2800-5000 parts/hour	VD 100VR1440
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