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## **SERIGRAPHIC INKS TECHNICAL BULLETIN**

**Series:**

# **TAMPOGRAFIC/ART**

## **GLOSSY SINGLE COMPONENT AND/OR TWO-COMPONENT PAD PRINTING INK**

**TYPE OF BINDERS:** Synthetic thermoplastic resins

**TYPE OF BINDERS:** Medium and high boiling solvents not classified as dangerous in current EEC regulations.

### **APPLICATIONS**

Designed for pad printing onto objects made of plastic materials, PVC, polycarbonate, preheating flame and/or pre-treated polyethylene, ABS, etc. used in the clothing and shoe industry, gifts industry and advertising products. For printing onto metals (steel, sheet metal, pre-painted or non pre-painted aluminium) used in the manufacturing of home appliances, electronics, etc.

The COLORS are highly opaque, glossy and very resistant to sunlight.

The prints obtained will be very bright as the pigments contained in the ink are pure and the best available on the market from the point of view of both technical characteristics and environmental impact.

The innovative technical feature of TAMPOGRAFIC/ART is its twofold function. The ink may be used as is or, with the addition of Tampografic Catalyzer 38.997, also as a two-component ink.

The advantage of this is that with the same product you will be able to print on a wide range of different materials without having to set up two separate product lines.

Another important feature is that TAMPOGRAFIC/ART can be used for artistic prints on paper or for all those prints which require high concentration and COLOR purity and excellent resistance of the prints to sunlight.

### **INSTRUCTIONS FOR USE**

Dilute ink to the desired viscosity, using our All Inks thinner. For glossier prints, add a 10-15% part of Transparent Glossy Base 38.990, for more opaque prints, add a 10-20% part of Opaque Base 38.991; this will not affect the COLOR's covering power.

Add 2 to 4% maximum of Tampografic Catalyzer 38.997, to increase both mechanic and chemical resistance of the ink, for prints on metal supports, including pre-painted metals, rigid plastic, etc.

To clean printing and work tools we recommend the use of our product BIOSOLV 2000 (see technical fact sheet for Biosolv 2000)

### **DRYING**

The prints will dry at room temperature by simple evaporation of the solvent, when no catalyzer is used. When a catalyzer is used the prints will dry both by solvent evaporation and polymerization; in this case room temperature drying will require more time. A few seconds in the oven at 80-100°C will significantly reduce drying times, while complete polymerization (in prints with catalyzer) takes place after 12-24 hours.

For the series colours see our card colours, mix shades.

For the covering colours see our standard card colour and our list of produced colours.

The values and facts given in our "Technical data sheets" are the result of numerous tests and experiences carried out by our Labs. However, due to the vast range of applications and processing methods, they should only be used as a guide. Therefore no direct responsibility can be accepted on our part for the way these values will be applied; users must verify personally that the product is suitable for their specific requirements.