



**MODERN SPECIALTIES IN SYNTHETIC AND PLASTIC INKS**

Rondeau 1200. Ramos Mejía, Buenos Aires, Argentina.

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## **TINTA SERIPOX SERIE 9000**

It is an epoxy enamel of two components, of high gloss, for serigraphic use or torch. It has high chemical resistance and is recommended for exterior, due to its good resistance to light and to the outdoor environments.

### **APPLICATIONS**

SERIPOX ink is used in applications that need good hardness and strength. It is used in the printing of treated polypropylene and polyethylene containers (flamed), as well as other plastics: ABS, polystyrene, acrylic, polyester, etc. It is recommended for metals in general: treated iron sheet, stainless steel, aluminium and glass, resisting the latter material, the mirroring process.

### **MODE OF USE**

Because it is a two-component ink (ink and catalyst), it must be mixed in the recommended ratio at least half an hour before use and used within 6/8 hours after preparation (these times decrease with increasing Of the ambient temperature). The mixture once prepared has a limited shelf life since it begins to cure by increasing its viscosity. For this reason it is recommended to prepare the amount of ink to be used, within the mentioned period.

The drying of this ink to the touch takes place in the period of 2 to 4 hours according to the ambient temperature.

The final curing of the system occurs after 7 days of application, at which time the final properties of the coating must be evaluated.

The drying time to the touch or surface depends on the environmental conditions.



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**Recommended Usage Ratios:**

**9041 Catalyst 274:** for every 100 parts by weight of ink add 25 parts by weight of catalyst. This ratio can be taken up to 100/50 to improve gloss and adhesion, but decreases the coating power, lengthens the drying time and increases yellowing.

**9042 Catalyst 276:** for every 100 parts by weight of ink add 12 parts of catalyst. This product does not work below 15 ° C. If the ambient temperature does not exceed 15 ° C, the catalyst will not continue to act, so ensure complete curing in the oven. To achieve this the recommended baking cycle is 30 min. at 80 °C.

**9043 Oven able Catalyst:** per 100 parts by weight of ink add 100 parts by weight of catalyst. The drying is baked at a temperature of 150-180 ° C for 15 to 30 minutes depending on the applied film thicknesses.

**Catalyst Selection:**

**The Catalyst 9041** is the most versatile of the catalysts and is recommended for manual type printing.

**Catalyst 9042** is ideal for drying with tunnels. The systems cured with this catalyst have less brightness and less yellowing (in whites) than those cured with catalyst 9041.

**Catalyst 9043** is exclusively for kiln drying, thus achieving better chemical and mechanical resistance. Recommended for enamelled sheets and stainless steel.

**Solvents:**

**Vinyl reducer (Code 9602) and Vinyl retarder (Code 9604):** used to dilute and delay the drying of the inks, respectively.

**Vinyl cleaner (Code 9600):** it is used for the washing of the mesh, which must be immediate, to avoid the use of it.

***For torch application, Please consult***

**RECOMMENDATIONS FOR PRINTING**

Usually can be printed avoiding any dilution. It is essential to print out of contact, with little pressure and with a sharp handle. It is advisable to do it with the previously inked meshes and to clean them immediately after printing, like all the elements used, to avoid their deterioration.

In order to print fine details we recommend meshes of 120 threads / cm, whereas for full we recommend the use of meshes of 77 threads / cm.

The yield of the undiluted ink and 100 mesh / cm mesh is 40 m<sup>2</sup> / kg. .



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**PRODUCT STABILITY**

Non catalysed ink in sealed container in a cool, dry environment remains unchanged for an extended period.

The catalyst, stored under the same conditions as the ink, has a useful life of approximately 6 months. It is recommended to close the container properly after use.

**RANGE OF COLOURS**

Code	Description
9010	White
9020	Yellow Lemon
9023	Yellow Chrome
9040	Varnish
9041	Catalyst 276 Slow
9042	Catalyst 276 Fast
9043	Ceramic Catalyst
9050	Orange
9052	Red
9054	Magenta
9060	Green
9070	Royal Blue
9072	Ultramarine Blue
9090	Black

**IMPORTANT NOTE**

- I. The inks formulated by Pintesint SAICYF must be used exclusively with the solvents and the complementary products that it manufactures for that purpose. Due to the diversity of products in the market, the company is not responsible for the use of the same from another source.
- II. The suggestions and data of this literature were elaborated in good faith, to guide the user. We recall the importance of checking the adaptability of inks and complementary products by testing before starting production. Due to the fact that the conditions of use of the products are not under our control, the present does not constitute a guarantee on the work to be done.



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