



MODERN SPECIALTIES IN SYNTHETIC AND PLASTIC INKS

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TINTA ISOCAT SERIE 9200

It is a polyurethane enamel of two components, of brilliant finish and of excellent hardness and elasticity, for serigraphic use. It is resistant to solvents, acids and alkalis. It is characterized by its very fast drying.

APPLICATIONS

Given the characteristics mentioned above, ISOCAT inks are especially suitable for all those prints where exceptional chemical resistance is required accompanied by a quick drying. It is used in the printing of treated polyethylene and polypropylene containers. It has good adherence in glass, metals and plastic materials.

MODE OF USE

As a two-component ink (ink and catalyst), these must be mixed in the corresponding ratio. At room temperature, it must be used within 4 hours of its preparation; these times are reduced compared to an increase of that. Once the mixture has been made, it has a limited life due to viscosity increase over time.

We recommend preparing the amount of ink to be used within the aforementioned time. When finished printing, immediately clean the mesh and work items. The final curing of the system is done 7 days after the printing is finished.

PREPARATION RATIOS

9241 Catalizador Isocat (9241 Isocat catalyst): For every 100 parts by weight of ink, add 25 parts by weight of catalyst.

9041 Catalizador 274 (9041 Catalyst 274): for each 100 parts by weight of ink, add 10 parts by weight of catalyst.

USE OF CATALYSTS

To obtain good chemical resistance on ketones and acetates, for example, and to achieve a very hard and elastic film, the **Catalyst 9241** is used. The touch-drying is fast.

When high strengths and extreme hardness are not required, catalyst 9041 is used. Drying is rapid and the working life of the mixture is longer than that obtained with **Catalyst 9241**.

SOLVENTS

9645: Reductor Isocat (Isocat Reducer)

9646: Retardador Isocat (Isocat Retarder)

It is very important to use solvents totally free of moisture (urethane grade). The presence of water therein can cause serious drawbacks, drastically reducing the lifetime of the catalytic dye and generating surface defects in the final film.



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PRODUCT STABILITY

The non catalysed ink in a closed container and in a fresh and dry environment is not altered. The catalyst is a product that must be handled with great care because it reacts with the humidity of the air. When opening the container and before re-closing it is recommended to carefully clean the closing area of the container, to make it as airtight as possible. It is convenient to minimize the air chamber inside the container. All these recommendations are aimed at reducing contact with moisture.

RANGE OF COLOURS

Code	Description
9210	White
9211	White Cover
9220	Yellow Lemon
9223	Yellow Chrome
9240	Varnish
9241	Catalyst
9250	Orange
9252	Red
9254	Magenta
9270	Royal Blue
9272	Ultramarine Blue
9273	Violet
9290	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.