

# Free Anti Bleeding Grey

Code 170215

## PRODUCT DESCRIPTION

Pvc-free Plastisol ink for printing the first under-base colour onto coloured fabrics, which are sensitive to bleeding.

In compliance with the main Eco-friendly specifications.

## APPLICATION FIELDS

For ready-to-wear or pre-cut articles.

## APPLICATION PROCESS

<b>Substrates</b>	Polyester and blended
<b>Th/cm</b>	Max. 43 Th/cm (110 Th/Inch)
<b>Emulsion</b>	<ul style="list-style-type: none"> <li>• <i>Zero-in Astra</i></li> <li>• <i>Zero-in Universal Plus</i></li> </ul>
<b>Squeegee</b>	Square edge Squeegee hardness 60 - 65 and 70-75 Shores
<b>Curing</b>	150-160°C for 3 minutes
<b>Additives</b>	If needed, Max. 5% <i>Free Thinner</i> Max. 15% <i>Free Quick Gel 557</i>
<b>Cleaning</b>	Screens and tools must be cleaned with <i>Screenclean ST</i> or <i>Solvente LQ</i> after printing
<b>Storage</b>	<ul style="list-style-type: none"> <li>• Away from sunlight</li> <li>• At a temperature of 10 to 30°C</li> </ul>
<b>Package</b>	5 kg
<b>Shelf life</b>	6 months
<b>Safety Data Sheet</b>	Available upon request

## GENERAL FEATURES

- Ready-to-use ink
- PVC-free
- Free from Phthalates\* and Heavy Metals
- Formaldehyde content: < 10 ppm
- Oberprintable with all the colours of the series *Free*
- Excellent antibleeding power
- Very quick drying under IR lamp
- Very low tack
- Excellent printability



\*This product does not intentionally contain the Phthalates that are banned by the main specifications and norms. Lower than 0,1% di DEHP, DBP, BBP, DINP, DNOP, DIDP.

## PREPARATION

Ready-to-use ink.

The addition of *Free Thinner* up to 5% allows to reduce the ink viscosity. The addition of *Free Quick Gel 557* up to 15% allows to increase the print elasticity and can further increase the intermediate drying speed under flash lamps.

## APPLICATION

This ink is used as an under-base to reduce the influence of the polyester substrate.

To grant the best over-printing results, it is recommended to adjust the out of contact and the pressure of the squeegee at their best, in order to obtain an homogeneous ink film that can remain onto the surface of the substrate.

It is possible to overprint, after an intermediate drying, with all the colours of the series *Free*.

It is recommended to do preliminary tests, in order to evaluate the real barrier effect, which may vary according to the fabric.

## CURING

Curing must take place at 150°C–160°C for 3 minutes. This is a thermoplastic ink: an appropriate curing is able to allow the complete ink fusion, therefore the achievement of the required final characteristics.

## SPECIAL INSTRUCTIONS

- Always test the print characteristics, before starting production.
- Always check curing conditions. The addition of additives could change the ink curing time.
- Avoid too long intermediate drying times through IR Flash lamps. Actually, too long times may compromise the adhesion of the over prints. There are different kinds of IR Flash lamps and various substrates, onto which it is possible to print the inks; for this reason, it is not possible to give detailed information about the times and the powers of the lamps. So, it is recommended to do preliminary tests.
- It is recommended to keep the temperature of the intermediate drying flashes controlled during the production. An extreme overheating may cause a viscosity increase and compromise the ink printability and the final print quality.
- These inks do not resist dry cleaning, bleaching and ironing.

Before printing of this ink, make sure that squeegees, countersqueegees, screens and cases have been cleaned well from possible rests of other ink series. The possible "pollution" would compromise its technical features and its compliance with the eco-friendly specifications.

## EQUIPMENT

Indicated for using onto automatic, semi-automatic and manual machines.

## IMPORTANT NOTE

The information given in this technical sheet is not intended to be exhaustive and any person, using the product for any purpose other than that specifically recommended in this sheet without first obtaining written confirmation from us to the suitability of the product for the intended purpose, does so at his own risk.

While we endeavour to ensure that all advice we give about the product is correct, we have no control over either the quality or condition of the substrate or the many factors affecting the use and application of the product.

Therefore, unless we specifically agree in writing to do so, we do not accept any liability whatsoever or howsoever arising for the performance of the product or for any loss or damage arising out of the use of the product.

The information contained in this sheet is liable to modification from time to time in the light of experience and our policy of continuous product development.

## WARNING

This technical data sheet does not replace either the Safety Data Sheet or the specific Conformity Declaration. These documents may be required to our SHEQ (Product safety office), at the following e-mail address: [safety@eptainks.com](mailto:safety@eptainks.com).

The technical data sheet does not relieve the printer, who remains the only responsible of the respect of the regulations, the specifications and the related required certifications of the finished items.