

ISONIK AM-P500

Anti-migrating agent for digital printing on textiles with acid inks.

Nature	Etherified synthetic polymer
Appearance	Powder
Ionic nature	Non-ionic
Stability to pH	Stable between pH 4 and pH 11
Solubility in water	Soluble in any ratio
Stability of solutions	Avoid keeping the ready-to-use padding bath for more than 48 hours

Product description

ISONIK AM-P500 is an antimigrant agent for the pretreatment of polyamide and proteic fiber fabrics before inkjet printing. Recommended for padding pre-treatment before digital printing with acid dye inks.

ISONIK AM-P500 regulates the diffusion of inks into the textile fiber, regulates penetration and minimizes surface migration of dyes, thus promoting:

- Definition and sharpness of designs,
- Improvement of levelness and brilliancy of colours across the whole printed surface,
- Improvement of dye fixation and fastness,
- Improvement of colour yield.

Additional features:

- Ease wash-off at the end of the process (no influence on the natural hand feel of fabrics),
- Minimal film or residual formation on equipment,
- Compatibility with many textile auxiliaries of anionic, cationic, and non-ionic nature,
- Low foaming.

Instructions

Bath preparation

ISONIK AM-P500 is added into pretreatment bath by vigorous stirring, before any other solid or liquid ingredient. It is recommended to slowly add the previously weighed amount of product into the bath under constant stirring, avoiding formation of agglomerates, later difficult to dissolve. Avoid excessive turbulence during addition to prevent the formation of difficult-to-dissolve agglomerates. Typical application dosage is 20-40 g/l. The use of softened water is highly recommended.

Contact the Isocarbo technical service department for the correct composition of the pre-treatment bath depending on the textile material to be pretreated and the desired result.

Application

ISONIK AM-P500 is applied by padding with a typical pick-up of 40-60%, accordingly to fabric and in relation to the desired penetration, sharpness, and color yield.

Remark

It is not recommended to store ready-to-use pre-treatment baths based on ISONIK AM-P 500 for longer than 48 hours. If it is necessary to store pretreatment ready-to-use baths not for immediate use, especially at high temperature environment, the addition of a biocide (e.g. 0.1% MIT/BIT + OIT) is highly recommended. Viscosity of pre-treatment baths with pH below 6.5 may decrease, which in most cases will not significantly affect performances.

Storage

ISONIK AM-P500 is stable in its original sealed packaging for a period of 12 months. Ensure storage conditions at a temperature between 5 and 35°C. The product is sensitive to humidity, store any opened packages inside firmly sealed polyethylene bags.

DISCLAIMER

The information included in this document are based on the actual experience and knowledge and they are not intended to be exhaustive. This product is for professional use only. Any product usage other than those specifically recommended with no further confirmation by Isocarbo is at one's own risk. Isocarbo guarantees that all given instructions about ISONIK AM-P500 re correct. Isocarbo has no control over either the quality or the conditions of the substrate or factors that may affect ISONIK AM-P500. performance. Isocarbo Srl strongly recommends that extensive preliminary tests are performed, in order to evaluate any unexpected product behavior. Unless otherwise approved in writing, Isocarbo shall not be liable for any different performance, loss or damage due to unaccepted use of ISONIK AM-P500. Isocarbo ensures its commitment to ongoing product development and improvement; hence the content of this technical sheet is susceptible to changes.