

ISONIK® AM-P600

High performance anti-migrating agent for digital printing on textiles. High color yield.

Nature	Modified acrylic copolymer emulsion in water
Appearance	Viscous, milky white liquid
Ionic nature	Anionic
pH	6,2-7,2
Stability to pH	Stable between pH 6 and pH 10
Solubility in water	Miscible in any ratio
Foaming	Moderate
Storage stability	12 months. Store between 5 and 30°C
Stability of solutions	Avoid keeping the ready-to-use padding bath for more than 48 hours
Compatibility	Compatible with anionic and non-ionic auxiliaries and with all dyes, except cationic ones; incompatible with cationic components.

Product description



ISONIK AM-P600 is an easy-to-use anti-migrating agent for preparation of textiles before ink-jet printing. Recommended for padding pretreatment before digital printing with reactive dyes inks. Recommended when a high improvement of colour yield is required. Thanks to this feature, ISONIK AM-P600 in conjunction with ISONIK C-LU allow a reduction of urea content in the printing processes, consequently a remarkable reduction of nitrogen content in wastewater. A reduction of 50-60% of nitrogen content in wastewater can be achieved, with very limited influence on colour yields.

ISONIK AM-P600 controls the diffusion of the ink in the textile fiber, regulates penetration and minimizes surface migration of the dye thus promoting the following performances:

- Definition and sharpness of the print,
- Levelness and color brilliancy across the whole printed surface,
- Improvement of fixation and fastness of the dye,
- Improvement of colour yield.

Additional features:

- Easy wash-off at the end of the process (no influence on the natural hand feel of fabrics),
- Easy-to-use by simple addition to pretreatment padding baths,
- Minimal film or residual formation on equipment,
- Immediate development of viscosity right after the addition into the bath, stability of viscosity during storage and use,
- Good compatibility with anionic and non-ionic chemicals,
- Low foaming,
- Easy-to-use at medium to low temperature.

Instructions

Bath preparation

ISONIK AM-P600 can be added by mild stirring in water, preferably as last after the addition of other components. The use of soft water is highly recommended.

Recommended dosage is 100g/l for viscose, 120-150 g/l on cotton.

Please contact Isocarbo technical service for recommendation on the correct bath recipe for your specific articles, in respect of the desired penetration and effect.

Application

ISONIK AM-P600 is applied by padding with an average pick-up of 70-90%, depending on the fabric type and on the desired balance between penetration, sharpness, and color yield.

Important notes

We recommend against keeping the ready to use baths for longer than 48 hours.

Should baths be used after more than 24 hours, the same should be protected against evaporation and surface film formation by storing in closed containers or covering with polyethylene film. In case of baths prepared 12 hours in advance or more, stir gently and filter before use.

Storage

ISONIK AM-P600 is stable in its original unopened containers, stored between 5 and 30°C.

The shelf life is 12 months.

Avoid direct exposure to sunlight and frost conditions.

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-P600 re correct. Isocarbo has no control over either the quality or the conditions of the substrate or factors that may affect ISONIK AM-P600. 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-P600. Isocarbo ensures its commitment to ongoing product development and improvement; hence the content of this technical sheet is susceptible to changes.