

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

AKYTAC is a solvent ink.

APPLICATIONS

Treated polypropylene and polyethylene.

The above-mentioned substrates may differ according to their origin. It is therefore essential to carry out preliminary tests.

PRINTING

Manual machines, semi-automatic, 3/4 automatic machines.

MAJOR ADVANTAGES

- Accepts lamination.
- Excellent gloss.
- Fast drying.
- Immediate stacking after tunnel exit.
- Self-dilutable.

ASPECT

Glossy.



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|-----------------------------|--|
| Substrate | Treated polypropylene and polyethylene |
| Mesh | 200 to 300 threads/inch (79 to 120 threads/cm) |
| Emulsion | All types of solvents resistant emulsions |
| Squeegee | 65shA or 75shA |
| Drying | Solvent evaporation |
| Diluent and additive | Thinner AK201 Retarder AK203 |
| Cleaning | 77 BIO |
| Storage | 5 years stored between +5°C et +35°C |

COLOR RANGES & PACKAGING

BASIC COLORS

| | |
|----------------------|-----|
| AK102 WHITE | 1 L |
| AK404 ORANGE | 1 L |
| AK406 GOLDEN YELLOW | 1 L |
| AK501 LEMON YELLOW | 1 L |
| AK612 GREEN | 1 L |
| AK701 VIOLET | 1 L |
| AK719 PERMANENT BLUE | 1 L |
| AK801 RED | 1 L |
| AK810 CARMINE | 1 L |
| AK811 PINK | 1 L |
| AK902 BLACK | 1 L |

STANDARD STANDARD

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|---------------------------|-----|
| AK433 SUPER ORANGE | 1 L |
| AK526 MEDIUM YELLOW | 1 L |
| AK531 RICH YELLOW | 1 L |
| AK638 BRILLIANT GREEN | 1 L |
| AK722 BRILLIANT BLUE | 1 L |
| AK743 FRENCH BLUE | 1 L |
| AK830 BRIGHT RED | 1 L |
| FLUORESCENT SHADES | |
| AK580 YELLOW FLUO | 1 L |
| AK680 GREEN FLUO | 1 L |

OPAQUE BLACK / WHITE

| | |
|--------------------|----------|
| AK103 OPAQUE WHITE | 1L - 5 L |
|--------------------|----------|

VARNISH

| | |
|---------------------|-----|
| AK003 CLEAR VARNISH | 1 L |
|---------------------|-----|

DILUENTS AND ADDITIVES

| | |
|----------------|-------------|
| AK 201 THINNER | 1 KG - 5 KG |
| AK203 RETARDER | 1 KG - 5 KG |

INSTRUCTIONS FOR USE

SCREEN

Mesh from 79 to 140 thread/cm.
Emulsions and films must be solvent resistant.

SQUEEGEE

Polyurethane 65 shA or 75 shA.

PERFORMANCE

Depending on the fineness of the fabric used, the yield varies between 40 and 50 m²/liter. With a mesh of 120 threads/cm and a dilution of 15%, the yield is approximately 45 m²/liter.

DILUTION

Akytac inks are diluted with 10 to 15% of AK 201 thinner. In case of high ambient heat, or if the inks tend to dry on the screen, a significant portion of normal thinner must be replaced with AK 203 retarder.

MIXING

All colors in the AKYTAC range are miscible with each other.

BASE-VARNISH

To reduce the intensity of the colors or obtain semi-transparent effects, the overprint varnish base AK003 can be added, but the light resistance will be proportionally affected.

OPACITY-APPEARANCE

Colors range from opaque to semi-transparent or transparent depending on the references.

ADHESION-RESISTANCE

It is recommended to systematically check the surface tension of the substrate to ensure perfect adhesion (minimum 42 dynes/cm).
Light resistance proportional to the thickness of the ink film.

DRYING

By solvent evaporation. Once dry, the ink film does not stick.
At room temperature: prints are dry to the touch after approximately 10 to 15 minutes depending on temperature and humidity conditions.
With forced air: they can be dried with hot air in a well-ventilated tunnel at 60°C for 10 to 20 seconds. It is important to ensure, before stacking, that the printed substrates are completely dry and cooled.

PRODUCT PROPERTIES

On substrates with low surface energy, the treatment must be higher than 41 dynes/cm.
After the support has completely cooled to room temperature, the printed ink film must withstand the 3M810 tape test after gridding.

HANDLING

Homogenize before use.

SCREEN CLEANING

Cleaning with the 77BIO bio solvent is recommended.

WASTE MANAGEMENT

Packaging contaminated with hazardous substances. Do not dispose into the environment. VFP Ink Technologies encourages all users to develop a responsible environmental policy.

HEALTH AND SAFETY

Refer to the MSDS. We recommend that you wear Personal Protective Equipment recommended by the MSDS and follow its handling precautions.

STORAGE

5 years in its original packaging stored between +5°C and +35°C

Guarantee reserves: Although the data in this leaflet have been established after careful testing, it is provided as a guide; no liability can arise from this for VFP, it being understood that we advise you to carry out preliminary tests before any commercial draw. No seller, representative or agent has the right to give any guarantee or insurance, which would be in contradiction with what is said above. In any case, refer directly to our general conditions of sale.