



## AKYTAC

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| <b>Aspect :</b>           | Glossy.   |
| <b>Applications :</b>     | Printing on extruded polypropylene, treated polyethylene substrates.                                  |
| <b>Major advantages :</b> | Excellent glossiness.<br>Drying rapidity. Stackable on exit from tunnel.<br>Not toxic. Self-diluting. |
| <b>Printing :</b>         | Manual, Automatic and semiautomatic machines.   |

### Technical characteristics

#### Screens

**Fabrics :** All types of nylon and polyester fabrics can be used with a mesh between 77 and 120 threads/cm.

**Transfers :** All direct, indirect or capillary solvent-based ink resistant procedures, as well as water cutting films.

#### Opacity - Aspect

Opaque, semitransparent or transparent, depending on the colour. The pigments used do not migrate, and the colours can be overprinted.

#### Coverage

Depending on the fineness of the fabric used, the print area varies between 45 and 50m<sup>2</sup>/Litre. With a 120 thread/cm mesh and a dilution of 15%, the print area is of about 45m<sup>2</sup>/Litre.

#### Storage

5 years in closed pails kept between +5 and +35°C.

#### Squeegees

To obtain a minimum deposit, we recommend hard polyurethane squeegees (shore hardness A-75 to 80), with a minimum slope and an excellent sharpening.

#### Mixings

All available colours and bases can be mixed together to obtain intermediate tones. This series of single pigment colours allows, at surplus, the making of all particular colours.

**Special tints :** They can all be produced for quantities of 5 L or more per colour.

#### Cleaning

We recommend the cleaning solvent 77204.

#### Packaging

In 1 and 5 Litre pails.

### Applying conditions

**Dilution :** The Akytac inks will be diluted with 10 to 15% of AK.201 normal thinner. In the event of high ambient temperature, or if the inks tend to dry in the screen, replace a more or less important part of the normal thinner by the AK.203 slow thinner.

**Base / Varnish :** In order to reduce the intensity of the colours, or to obtain semitransparent effects, add the overprinting varnish base AK.003, but the light resistance will then be proportionally affected.

#### Drying

by solvent evaporation. Once dry, the ink film does not stick.

**In ambient air :** the prints will be dry to the touch after about 10 to 15mn depending on temperature and hygrometry conditions;

**In forced air :** they can be dried in a well ventilated at 60°C hot air tunnel during 10 to 20 seconds.

Before stacking, it is important to make sure that the entire drying and cooling of the printed substrates have been done.

#### Adherence - Resistance

It is recommended to systematically check the substrate surface tension in order to ensure a perfect adherence (minimum 42 dynes/cm). Resistance to light proportional to the thickness of the ink layer.

#### Hygiene and safety

Although the products chosen for use in formulating the AKYTAC ink are not dangerous, they can produce allergic reactions in some particularly sensitive people. Ink or thinner stains on skin will be washed immediately using soapy water.