

Ink Technologies

Aspect

Glossy

Applications

Rigid PVC as from 120 μ

Major advantages

Allows lamination, embossing and overprinting of offset inks, UVICARD, SOLVCARD

Printing

Automatic and cylinder machines

Colors

Metallic, pearly and transparent colors.

WATER INK



UV INK



TECHNICAL CHARACTERISTICS



Screens

Fabrics: all mesh types from 50 to 120 threads/cm.
Reports: emulsions and films must be water and solvent resistant



Squeegees

Polyurethane, hardness 75 SH (Medium) with a good sharpening



Coverage

With a 120 threads/cm mesh, 1 kg will approximately cover 55 to 65 m²



Dilution

The AQUACARD is ready to use however up to 5% water can be added



Specific colors

Inks from the AQUACARD range are miscible between them



Cleaning

Water cleaning is recommended



Packaging

AQUACARD 1 kg
AQUACARD 5 kg



Storage

6 months in its original packaging stored in between + 5°C and + 30°C



Drying

By water evaporation, through two to three IR bridges in between 50°C and 60°C, then UV polymerization in between 100 and 120 Mj/cm²



Lamination

Carried out at a minimum of 130°C to 140°C for 5 to 15 min using a coated overlay film.

Example of performance: AC inks printed on PVC 400 μ , laminated with an overlay coating of 60 μ in a machine of the Oasys OLA6H type and tested with a dynamometer Lloyd LS1 (equipped with the TG113 accessory allowing some peeling tests at 90°), offer an average peeling resistance of 10 N/cm



Handling

After extraction of the ink, open pots need to be carefully and promptly closed. Artificial or natural light can cause the start of polymerization and can lead to the formation of a thin skin at the surface. For this reason, it is advisable to work in a low lighting or safelight environment



Hygiene and safety

Although the products selected for the formulation are not dangerous as such, contact can cause allergic reactions in some particularly sensitive individuals. Ink soils on the skin should be cleaned as soon as possible with soapy water. In any case, refer directly to the safety sheets