

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

The AQUACARD TF ink is a hydro UV NON CMR ink.

APPLICATIONS

Printing on PVC and RPVC for card production.

The above-mentioned substrates may differ according to their origin.

It is therefore essential to carry out preliminary tests.

PRINTING

Automatic cylinder machine SPS and SAKURAI type.

MAJOR ADVANTAGES

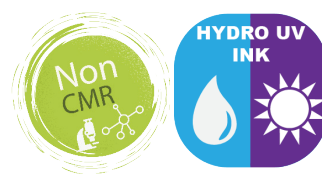
- Appearance similar to a solvent ink without VOC constraints.
- Accepts embossing.
- Accepts lamination.
- Offset overprintable.

COLORS

Metallic gold and silver, pearl.

APPEARANCE

Glossy.



Substrate	PVC, RPVC
Mesh	200 to 230 threads/inch (79 to 90 threads/cm)
Emulsion	All types of solvents and UV resistant emulsions
Squeegee	65shA or 75shA
Drying	Water evaporation and then under UV radiation
Diluent and additive	Ready to use
Cleaning	77 BIO
Storage	12 months stored between +5°C et +35°C

COLOR RANGES & PACKAGING

GOLD

AC3004TF GOLD	5 KG
AC3005TF GOLD	5 KG
AC3006TF GOLD	5 KG
AC3007TF GREEN GOLD	5 KG
AC3008TF GOLD	5 KG
AC3009TF RED GOLD	5 KG
AC3010TF GOLD	5 KG
AC3012TF GOLD	5 KG
AC3013TF GOLD	5 KG

SILVER

AC301TF FINE SILVER	5 KG
AC302TF MEDIUM SILVER	5 KG
AC303TF LARGE SILVER	5 KG
AC304TF MEDIUM SILVER	5 KG
AC9003TF SILVER	5 KG
AC9004TF SILVER	5 KG
VARNISH	
AC003TF VARNISH	5 KG

PEARL

AC311TF FINE PEARL	5 KG
AC312TF PEARL	5 KG
AC1002TF PEARL	5 KG
AC1003TF PEARL	5 KG
AC1012TF PEARL	5 KG
AC1013TF PEARL	5 KG
AC9011TF PEARL	5 KG

Non-exhaustive list of metallic and pearl shades. Custom color matching available upon request.

INSTRUCTIONS FOR USE

SCREEN

Mesh from 200 to 230 thread/inch.

Emulsions and films must be solvent resistant.

SQUEEGEE

Polyurethane squeegee A65 or A75.

PERFORMANCE

With a 79 threads/cm fabric, 1kg cover about 30 to 40m².

DILUTION

The AQUACARD TF is ready to use, but dilution with demineralized water up to 3% is possible.

DRYING

By evaporating water through passage under 2 to 3 IR bridges between 50°C and 65°C, followed by UV polymerization between 100 and 120 mJ/cm².

LAMINATION

It is carried out at a minimum temperature of 125° to 140°C for 5 to 15 minutes and with the use of a coated overlay film.

Performance examples: ACTF inks printed on 400µ PVC, laminated with a 80µ coated overlay film in an Oasys OLA6E-type machine, and tested with a Lloyd LS1 dynamometer equipped with TG113 accessory for conducting 90° peel tests, show an average peel resistance greater than 8N/cm.

PRODUCT PROPERTIES

On substrates with low surface energy, the treatment must be higher than 41 dynes/cm.

HANDLING

Homogenize before use.

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

SCREEN CLEANING

Cleaning with the 77BIO bio solvent.

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

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