AQUACARD TF

TECHNICAL SPECIFICATIONS

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

APPLICATIONS
PVC and RPVC in card area.

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		SILVER		PEARL	
AC3004TF GOLD	5 KG	AC301TF FINE SILVER	5 KG	AC311TF FINE PEARL	5 KG
AC3005TF GOLD	5 KG	AC302TF MEDIUM SILVER	5 KG	AC312TF PEARL	5 KG
AC3006TF GOLD	5 KG	AC303TF LARGE SILVER	5 KG	AC1002TF PEARL	5 KG
AC3007TF GREEN GOLD	5 KG	AC304TF MEDIUM SILVER	5 KG	AC1003TF PEARL	5 KG
AC3008TF GOLD	5 KG	AC9003TF SILVER	5 KG	AC1012TF PEARL	5 KG
AC3009TF RED GOLD	5 KG	AC9004TF SILVER	5 KG	AC1013TF PEARL	5 KG
AC3010TF GOLD	5 KG			AC9011TF PEARL	5 KG
AC3012TF GOLD	5 KG				
AC3013TF GOLD	5 KG			**VARNISH**	
				AC003TF VARNISH	5 KG

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 130° to 140°C for 5 to 15 minutes and with the use of a coated overlay film.
Performance examples: AC inks printed on 400µ PVC, laminated with a 60µ coated overlay film in an Oasys OLA6H-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