GRADR - GR300R (SILVER) / GRODE (GOLD)

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION
GRADR, GRODE and GR300R are solvent inks.

APPLICATIONS
Paper or cardboard- scratchable inks for game tickets and other applications.

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

PRINTING
Automatic, semi-automatic and ¾ automatic machines.

MAJOR ADVANTAGES
· Good screen stability.
· Good peeling when scraped without residue on the ticket.
· Good opacity.
· GR300R : Fast drying for high speed machines.

ASPECT
Matt.

Substrate	Paper, cardboard
Mesh	140 to 160 threads/inch (55 to 163 threads/cm)
Emulsion	All types of solvents resistant emulsions
Squeegee	65shA
Drying	Solvent evaporation
Diluent and additive	Ready-to-use
Cleaning	77 BIO
Storage	2 months stored between +5°C et +35°C

COLOR RANGES & PACKAGING

SILVER

GRADR ARGENT DIRECT	5 L
GR300R ARGENT DIRECT	5 L

GOLD

GRODE OR DIRECT	5 L

DILUENTS AND ADDITIVES

GR201 DILUANT GRADR/GRODE GRATTABLE	5 L

INSTRUCTIONS FOR USE

SCREEN
Standard mesh: 63 threads per centimeter.
Emulsions and films must be solvent resistant.

SQUEEGEES
Polyurethane hardness: 65 Shore A or 75 Shore A, profile 0.

PERFORMANCE
With a 63 threads per centimeter mesh, 1kg will cover approximately 25 to 30 m².

DILUTION
GRADR and GRODE references are ready to use, however, viscosity can be adjusted by adding GR201 thinner.
Caution: this addition may have a significant effect on opacity.
Silver GR300R is ready to use and should not be diluted.

MIXING
GRADR and GRODR are compatible in all proportions.

OPACITY-APPEARENCE
Matte silver appearance: GRADR / GR300R
Matte gold appearance: GRODE.
Opacity is achieved with a 63 threads per centimeter mesh.

PRINTING SUPPORT
The supports must be opaque for security reasons. They can be made opaque by printing an opaque black block on the back of where the numbers or patterns to be protected are printed. It is recommended to print the numbers or patterns to be masked in 50% black halftone.
Direct scratch-off VFP inks should not be used on absorbent supports as they prevent the ink from being scratched off. In this case, indirect scratch-off VFP inks should be used. Offset ink prints will be stored for 2 to 3 days for drying before printing the scratch-off..

PRODUCT PROPERTIES
Direct scratch-off VFP inks are to be printed on smooth non-absorbent supports.

HANDLING AND SPECIAL STORAGE CONDITIONS
Thoroughly mix before use.
Storage after printing: 6 months protected from light, moisture, and at moderate temperature.
Take precautions when handling printed sheets, as scratch-off areas are sensitive to friction.

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

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