

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

VINYGLOSS V2 is a NON CMR solvent-based ink.

APPLICATIONS

Adhesive PVC, rigid PVC, treated polyester, polycarbonate, acrylics, special papers, and cardboards.

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

It is therefore essential to carry out preliminary tests.

PRINTING

Manual, semi-automatic, 3/4 automatic, and automatic machines.

MAJOR ADVANTAGES

- Remarkably suited for printing on PVC
- Immediate stacking after tunnel exit
- High opacity
- Self-diluting
- High lightfastness colors
- Thermoformable

APPEARANCE

Glossy.



Substrate	Adhesive PVC, rigid PVC, treated polyester, polycarbonate, acrylics, special papers, and cardboards
Mesh	200 to 300 threads/inch (79 to 120 threads/cm)
Emulsion	All types of solvents resistant emulsions
Squeegee	75shA
Drying	Solvent evaporation
Diluent and additive	V2 201 THINNER V2 203 RETARDER
Cleaning	77 BIO
Storage	5 years stored between +5°C et +35°C

COLOR RANGES & PACKAGING

BASIC COLORS

V2 102 WHITE	1 L
V2 404 ORANGE	1 L
V2 406 GOLDEN YELLOW	1 L
V2 501 LEMON YELLOW	1 L
V2 612 GREEN	1 L
V2 701 VIOLET	1 L
V2 719 PERMANENT BLUE	1 L
V2 801 RED	1 L
V2 810 CARMINE	1 L
V2 811 PINK	1 L
V2 902 BLACK	1 L

MIXTONE COLORS

V2 10MX WHITE	1 L
V2 51MX MIXTONE. GOLDEN YELLOW	1 L
V2 40MXMIXTONE ORANGE	1 L
V2 81MX MIXTONE RED	1 L
V2 82MX MIXTONE PINK	1 L
V2 71MX MIXTONE VIOLET	1 L
V2 70MX MIXTONE BLUE	1 L
V2 60MX MIXTONE GREEN	1 L
V2 80MX MIXTONE VERMILLON	1 L
V2 90MX MIXTONE BLACK	1 L

STANDARD COLORS

V2 433 SUPER ORANGE	1 L
V2 526 MEDIUM YELLOW	1 L
V2 531 YELLOW	1 L
V2 638 BRILLANT	1 L
V2 722 BRILLIANT	1 L
V2 727 BLUE	1 L
V2 743 FRENCH BLUE	1 L
V2 828 FIRE RED	1 L
V2 830 BRIGHT RED	1 L

PROCESS COLORS

V2 002 BASE TIX	
V2 560 YELLOW TIX RE	5 L
V2 750 CYAN TIX	5 L
V2 860 MAGENTA TIX R	5 L
V2 950 BLACK TIX R	5 L

LIGHT FASTNESS COLORS

V2 404LF ORANGE	1 L
V2 406LF GOLDEN	1 L
V2 501LF YELLOW	1 L
V2 801LF RED	1 L

TRANSPARENT COLORS

V2 5600 TRANSPARENT	1 L
V2 6600 TRANS. GREEN	1 L
V2 7601 TRANS. BLUE	1 L
V2 8600 TRANS. RED	1 L

OPAQUE BLACK / WHITE

V2 905 OPAQUE BLACK	1 L - 5 L
V2 103 OPAQUE WHITE	1 L - 5 L
V2 105 BLANC D'ÉCRITURE	1 L

VARNISH

V2 003 OV VARNISH	1 L - 5 L
-------------------	-----------

DILUENTS AND ADITIVES

V2 201 THINNER	1 L - 5 L
V2 203 RETARDER	1 L - 5 L

INSTRUCTIONS FOR USE

SCREEN

All types of mesh from 79 to 120 threads/cm. Emulsions and films must be solvent resistant.

SQUEEGEE

Polyurethane with a hardness of 75 shA.

PERFORMANCE

With a mesh of 120 threads per centimeter and a dilution of 20%, the yield is approximately 45m² per liter.

DILUTION

Vinygloss V2 inks are diluted with 15 to 20% V2 201 thinner. In case of high ambient heat, or if the inks tend to dry on the screen in general, replace a more or less significant part of V2 201 thinner with V2 203 retarder.

MIXING

The different colors of the VINYGLOSS V2 range can be mixed together to obtain intermediate shades.

BASE-VARNISH

To reduce the intensity of colors or achieve semi-transparent effects, V2003 overprint varnish can be added. However, light resistance will be proportionally affected.

OPACITY-APPEARANCE

Vinygloss V2 ink has very high opacity and strong pigmentation, particularly the MX shades, allowing it to meet the most demanding applications. The pigments used do not migrate, and colors can be overlaid. Resistance to alcohols and hydrocarbons.

ADHESION-RESISTANCE

Excellent adhesion. Good resistance to alcohols.

DRYING

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

At room temperature: approximately 5 to 20 minutes depending on temperature conditions. Impressions can be stacked a few hours later. In the case of highly plasticized PVC sheets (very flexible), the solvents in the inks can cause migration of PVC plasticizers, hinder drying, and cause sheets to stick together in the stack.

Forced air drying: in a well-ventilated tunnel at 60°C for 10 to 20 seconds. It is important to ensure, before stacking, that the printed supports are completely dry and cooled.

PRODUCT PROPERTIES

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

After the support has completely cooled to room temperature, the printed ink film must withstand the 3M810 tape test after gridding.

HANDLING

Homogenize before use.

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

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

Guarantee reserves: Although the data in this leaflet have been established after careful testing, it is provided as a guide; no liability can arise from this for VFP, it being understood that we advise you to carry out preliminary tests before any commercial draw. No seller, representative or agent has the right to give any guarantee or insurance, which would be in contradiction with what is said above. In any case, refer directly to our general conditions of sale.