

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

VHRC ink is a non-CMR solvent ink.

APPLICATIONS

Adhesive PVC, acrylic substrates, treated polyesters, polycarbonate, polystyrene.

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

PRINTING

Automatic machines.

MAJOR ADVANTAGES

- High speed on automatic machines.
- High gloss, good opacity.
- Resistance to alcohol and hydrocarbons.
- High drying quality allowing stacking.
- Good stability in the screen, without static electricity phenomenon.

ASPECT

Glossy.



Substrate	Adhesive PVC, acrylic substrates, treated polyesters, polycarbonate, polystyrene.
Mesh	230 to 300 threads/inch (90 to 120 threads/cm)
Emulsion	All types of solvents resistant emulsions
Squeegee	75shA
Drying	Solvent evaporation
Diluent and additive	Thinner VH201 Retarder VH203
Cleaning	77 BIO
Storage	5 years stored between +5°C et +35°C

COLOR RANGES & PACKAGING

BASIC COLORS

VH 102 WHITE	5 L
VH 404 ORANGE	5 L
VH 406 GOLDEN YELLOW	5 L
VH 501 LEMON YELLOW	5 L
VH 612 GREEN	5 L
VH 701 VIOLET	5 L
VH 719 PERMANENT BLUE	5 L
VH 801 RED	5 L
VH 810 CARMINE	5 L
VH 811 PINK	5 L
VH 902 BLACK	5 L

LIGHT FASTNESS COLORS

VH 404LF ORANGE	5 L
VH 406LF GOLDEN YELLOW	5 L
VH 501LF LEMON YELLOW	5 L
VH 801LF RED	5 L

OPAQUE BLACK / WHITE

VH 103 OPAQUE WHITE	5 L
VH 905 OPAQUE BLACK	5 L

VARNISH

VH 003 CLEAR VARNISH	5 L
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DILUENTS AND ADDITIVES

VH 202 THINNER	1 KG - 5 KG
VH 203 RETARDER	1 KG - 5 KG

INSTRUCTIONS FOR USE

SCREEN

All types of mesh from 90 to 120 threads per centimeter. Emulsions and films must be solvent resistant.

SQUEEGEE

Polyurethane hardness 75 shA.

PERFORMANCE

With a 120 threads per centimeter fabric, 1KG will cover approximately 40 to 50m².

DILUTION

VHRC inks are diluted with 10 to 20% of VH201 solvent. In case of drying in the screen, replace a more or less significant part of the solvent with VH203 retarder.

BASE-VARNISH

To reduce color intensity or obtain semi-transparent effects, you can add the overprint varnish base VH003, but the light resistance will be proportionally affected.

OPACITY-APPEARANCE

Good opacity, glossy appearance.

ADHESION-RESISTANCE

Resistance to alcohols and hydrocarbons.

DRYING

With ambient air: prints are touch dry after about 10 to 15 minutes. Stacking poses no risk of smudging or sticking. With forced air: they can be dried with hot air in a well-ventilated tunnel at 60°C for 15 seconds. Overlapping colors dry in much the same way.

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.