

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

39000NF V2 ink is a non-CMR UV ink.

APPLICATIONS

Printing on paper or cardboard, flexible or rigid PVC, adhesive PVC, single-layer polycarbonate, treated polyester.

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

PRINTING

All types of machines: manual, semi-automatic, 3/4 automatic, automatic.

MAJOR ADVANTAGES

- Versatile ink
- Good chemical resistance
- Extremely fast drying allowing for precise registration on sensitive substrates
- High lightfastness colors

ASPECT

Glossy on non-absorbent substrates.
Textured varnish available.



Substrate	Paper, cardboard, flexible or rigid PVC, adhesive PVC, single-layer polycarbonate, treated polyester. esive PVC
Mesh	355 to 455 threads/inch (140 to 180 threads/cm)
Emulsion	All types of solvents and UV resistant emulsions
Squeegee	75shA
Drying	Under UV radiation
Diluent and additive	Thinner UV201 Fast thinner NF202V2
Cleaning	77 BIO
Storage	24 months stored between +5°C et +35°C

COLOR RANGES & PACKAGING

BASIC COLORS

NF102V2 WHITE	1 KG - 5 KG
NF404V2 ORANGE	1 KG - 5 KG
NF406V2 GOLDEN YELLOW	1 KG - 5 KG
NF501V2 LEMON YELLOW	1 KG - 5 KG
NF612V2 GREEN	1 KG - 5 KG
NF701V2 VIOLET	1 KG - 5 KG
NF719V2 PERMANENT BLUE	1 KG - 5 KG
NF801V2 RED	1 KG - 5 KG
NF810V2 CARMINE	1 KG - 5 KG
NF811V2 PINK	1 KG - 5 KG
NF902V2 BLACK	1 KG - 5 KG

QUADRI REFERENCES

NF002V2 BASE TIX	5 KG
NF950V2 BLACK	5 KG
NF560V2 YELLOW TIX	5 KG
NF860V2 MAGENTA TIX	5 KG
NF750V2 CYAN TIX	5 KG

OPAQUE BLACK / WHITE

NF905V2 OPAQUE BLACK	1 KG - 5 KG
NF103V2 OPAQUE WHITE	1 KG - 5 KG

VERNIS

NF003WV2 NON-YELLOWING VARNISH	1 KG - 5 KG
NF0501V2 TEXTURE VARNISH	5 KG

DILUANTS ET ADDITIFS

THINNER UV201	5 KG
FAST THINNER NF202V2	1 KG

INSTRUCTIONS FOR USE

SCREEN

All types of mesh from 140 to 180 threads per centimeter. For the NF0501V2, a 90 threads/cm mesh is recommended. Emulsions and films must be resistant to solvents and UV.

SQUEEGEE

Polyurethane with a hardness of 65shA or 75shA.

PERFORMANCE

With a 150*33 fabric, 1kg will cover approximately 70 to 80 m².

DILUTION

39000NF V2 inks are ready to use. If needed, they can be diluted up to 5% with UV201 thinner.

MIXING

Different colors and bases can be mixed together to obtain intermediate shades.

VARNISH-BASE

Adding 39000NF V2 varnish increases transparency without modifying viscosity.

DRYING

39000NF V2 ink will polymerize under a UV dose of approximately 80 to 100mJ/cm² depending on the mesh used and the color. For metallic or opaque colors, polymerization power may need adjustment. Over-polymerization can cause ink film breakage and substrate weakening.

PRODUCT PROPERTIES

On substrates with low surface energy, the treatment must be higher than 41 dynes/cm. Complete polymerization is achieved within 24 hours, and adhesion and resistance will continue to improve over time. After passing through UV lamps and then cooling the substrate completely to room temperature, the printed ink film must withstand the 3M810 tape test after squaring. **The 39000NF V2 is not intended for double-sided adhesive application.**

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 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

24 months 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.