

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

The NYLOTHANE is a non CMR, solvent ink.

APPLICATIONS

Printing of polyamide, polyester (fabrics or molded objects), polyurethane, technical foams, production of sliding decals (watersides)....

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

PRINTING

Semi-automatic, 3/4 automatic, and automatic machines.

MAJOR ADVANTAGES

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

ASPECT

Glossy.



Substrate	Printing of polyamide, polyester (fabrics or molded objects), polyurethane, technical foams
Mesh	110 to 300 threads/inch (43 to 120 threads/cm)
Emulsion	All types of solvents resistant emulsions
Squeegee	65shA or 75shA
Drying	Solvent evaporation
Diluent and additive	NY201 THINNER NY203 RETARDATEUR NY280 HARDENER NY281 AGENT ASSOUPLISSANT NY290 PROMOTEUR D'ADHERENCE
Cleaning	77 BIO
Storage	5 years stored between +5°C et +35°C

COLOR RANGES & PACKAGING

BASIC COLORS

NY 102 WHITE	1 L - 5 L
NY 404 ORANGE	1 L
NY 406 GOLDEN YELLOW	1 L
NY 501 LEMON YELLOW	1 L
NY 612 GREEN	1 L
NY 701 VIOLET	1 L
NY 719 PERMANENT BLUE	1 L
NY 801 RED	1 L
NY 810 CARMINE	1 L
NY 811 PINK	1 L
NY 902 BLACK	1 L

STANDARD OPAQUE COLORS

NY 433 SUPER ORANGE	1 L - 5 L
NY 526 MED. YELLOW	1 L
NY 531 RICH YELLOW	1 L
NY 638 BRILL GREEN	1 L
NY 722 BRILL BLUE	1 L
NY 727 BLUE	1 L
NY 743 FRENCH BLUE	1 L
NY 828 FIRE RED	1 L
NY 830 BRIGHT RED	1 L

OPAQUE WHITE

NY103 OPAQUE WHITE	1 L
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VARNISH

NY003 CLEAR VARNISH	1 L
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DILUENTS AND ADDITIVES

NY201 THINNER	1 L - 5 L
NY203 RETARDATEUR	1 L
NY280 HARDENER	100 CC
NY281 AGENT ASSOUPLISSANT	250 CC
NY290 PROMOTEUR D'ADHERENCE	100 CC

INSTRUCTIONS FOR USE

SCREEN

Mesh from 43 to 120 thread/cm.
Emulsions and films must be solvent resistant.

SQUEEGEE

Polyurethane 65 shA or 75 shA.

PERFORMANCE

Depending on the mesh, the NYLOTHANE range can be diluted with 10 to 20% NY201 thinner.
In case of high temperature, use the NY203 retarder pure or mixed with NY201.

DILUTION

Depending on the mesh, the Nylothane range is diluted with 10 to 20% of NY201 thinner. In case of high temperature or fine mesh, use pure NY203 retarder or mix it with NY201.

MIXING

All colors in the Nylothane range are mixable.

BASE-VARNISH

To reduce color intensity or achieve semi-transparent effects, the overprint varnish base NY003 can be added, but light resistance will be proportionally affected.

ADHESION-RESISTANCE

For untreated substrate, Nylothane ink can be used without any additive. If necessary, adding 10% of NY280 will improve resistance and adhesion.
For printing on treated substrates, incorporate 2% of adhesion promoter NY290 or 10% of NY281 agent + 2% of NY290.
The shelf life of two or three-component mixtures is approximately 8 hours.
Good resistance to household washing but not to dry cleaning.

DRYING

Ambient air: depending on temperature and ventilation conditions of the premises, the prints are dry to the touch after around 30 minutes, stackable after around 3 hours.
A few seconds at 40/45°C in a hot air tunnel.
When printing several colors, ensure that the overlays dry perfectly.
Drying in a tunnel carried out immediately after printing sets the ink on the surface and limits penetration into textile supports, ensuring better opacity than drying in ambient air

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.
However, printed media should be handled with care.

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.