

TECHNICAL CHARACTERISTICS

PRODUCT DESCRIPTION

PLUTON V2 (PNV2) is a non-CMR UV ink.

APPLICATIONS

Printing of polyethylene and polypropylene treated in plate or micro-fluted with surface tension greater than 41 dynes/cm, rigid and flexible PVC, adhesive vinyls.

The above-mentioned supports may present differences depending on their origins and their manufacture.

It is therefore essential to carry out preliminary tests.

IMPRESSION

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

MAJOR ADVANTAGES

- Multi-support ink.
- Ready-to-use SINGLE-COMPONENT ink.
- Extra opaque white

APPEARANCE

Bright.



Supports	Treated PP/PE, PVC, Adhesive vinyl
Meshes	140 to 180 threads/cm (330 to 455 threads/inch)
Emulsion	All types of resistant emulsions to solvents and UV
Scrape	75shA
Drying	Under UV radiation
Diluents and additives	UV201 Diluent Drying accelerator LA202V2
Cleaning	77 BIO
Storage	12 months between +5°C and +35°C

AVAILABLE SHADES AND PACKAGING

BASIC COLORS

PN102 V2 WHITE	1 KG
PN404 V2 ORANGE	1 KG
PN406 V2 GOLDEN YELLOW	1 KG
PN501 V2 LEMON YELLOW	1 KG
PN612 V2 GREEN	1 KG
PN701 V2 PURPLE	1 KG
PN719 V2 PERMANENT BLUE	1 KG
PN801 V2 RED	1 KG
PN810 V2 CARMINE	1 KG
PN811 V2 PINK	1 KG
PN902 V2 BLACK	1 KG

OPAQUE BLACK / WHITE PN905

V2 OPAQUE BLACK PN103 V2	1 KG
OPAQUE WHITE PN105 V2 EXTRA	1 KG
OPAQUE WHITE	1 KG

VARNISH

PN003 V2 CLEAR VARNISH	1 KG
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DILUENTS AND ADDITIVES

THINNER UV201	1 KG
FAST THINNER LA202V2	1 KG

CONDITIONS OF APPLICATION

SCREEN

All types of mesh from 140 to 180 threads/cm.
Emulsions and films must be resistant to solvents and UV rays.

SCRAPER

Polyurethane hardness 75shA.

YIELD

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

DILUTION

Pluton V2 ink is ready to use.
In the case of very fine mesh printing, dilution up to 5% with UV201 is possible.

It is also possible to accelerate drying by adding up to 3% LA202V2.

BLEND

The colours in the PNV2 range are all miscible with each other. However, opaque and extra opaque colours are not recommended for creating tints.

BASE VARNISH

The addition of PN003V2 varnish allows to adjust the density of the colors. Depending on the percentage, this addition can significantly reduce the external resistance of the ink and lower the viscosity.

DRYING

Basic colours cure under a UV dose of 130mj/cm².
For opaque and extra opaque colours, a dose of 150mj/cm² will be necessary.

PROPERTIES

On low surface energy substrates, the treatment must be greater than 41 dynes/cm.
Complete polymerization is achieved in 24 hours, the adhesion and resistance will continue to strengthen over time.
After passing under UV lamps and then completely cooling the support to room temperature, the printed ink film must withstand the 3M810 tape test after gridding.
UVITECH 3D is not intended to be double-sided adhesive.

HANDLING

Mix well before use.
Due to the very high reactivity of the ink on the surface, the pots opened for sampling must be carefully closed as soon as possible; Artificial or natural light can cause the start of polymerization which will be characterized by the formation of a skin on the surface. For this reason, it is advisable to work in reduced lighting or in safelight.

CLEANING THE SCREEN

We recommend 77BIO cleaning solvent.

WASTE MANAGEMENT

Packaging contaminated by of the substances hazardous. Do not dispose of in the environment. VFP Ink Technologies encourages all users to develop a responsible environmental policy.

HYGIENE AND SAFETY

Refer to the MSDS.
We recommend wearing the Personal Protective Equipment recommended by the latter, and following the handling precautions.

STORAGE

12 months in closed jars between +5°C and +35°C

Warranty reserves: Although the data contained in this notice has been established after careful testing, it is provided for information purposes only; no liability may be derived from it for the company VFP Ink Technologies, it being understood that we advise you to carry out preliminary tests before any commercial printing. No seller, representative or agent has the right to give any guarantee or assurance whatsoever, which would be in contradiction with what is said above. In all cases, refer directly to our general conditions of sale.