

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

The ML003 V2 is a non-CMR UV varnish.

APPLICATIONS

Non-CMR UV varnish specifically designed for materials used in POS displays such as papers, cardboards, adhesive PVC, sheet PVC (up to 300u), and certain polypropylenes including cellular ones.

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

- Non-CMR Varnish
- Ready to use
- Ideal for POS markets
- Adhesion on multiple substrates
- Fast drying, suitable for sensitive materials

ASPECT

Glossy.



Substrate	papers, cardboards, adhesive PVC, sheet PVC, polypropylenes
Mesh	50 to 380 threads/inch (20 to 150 threads/cm)
Emulsion	All types of solvents and UV resistant emulsions
Squeegee	75shA
Drying	Under UV radiation
Diluent and additive	Ready-to-use
Cleaning	77 BIO
Storage	12 months stored between +5°C et +35°C

COLOR RANGE & PACKAGING

VERNIS

ML003 V2

5 KG

INSTRUCTIONS FOR USE

SCREEN

All types of mesh from 20 to 150 threads per centimeter. Emulsions and films must be solvent and UV resistant.

SQUEEGEE

Hardness 75 shA polyurethane.

PERFORMANCE

With a 90 threads per centimeter fabric, 1kg will cover approximately 30 to 40m².

DILUTION

The ML003V2 varnish is ready to use.

DRYING

With a 150 mesh, the ML003V2 varnish will polymerize under a UV dose of around 90mJ/cm².

The varnish will then be handleable and dry to the touch.

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.

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

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

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