

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

UVTHF is a NON CMR UV varnish.

APPLICATIONS

Treated polypropylene and polyethylene.

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

PRINTING

Flat screen roll-to-roll machine.

MAJOR ADVANTAGES

- Elimination of tooling; the pattern is defined by the screen
- High resolution
- Compatible with standard foils

ASPECT

Dependent on the gold film used.



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|-----------------------------|--------------------------------------------------|
| Substrate | Treated polypropylene and polyethylene. |
| Mesh | 110 to 230 threads/inch (43 to 90 threads/cm) |
| Emulsion | All types of solvents and UV resistant emulsions |
| Squeegee | 65shA P0 or O5 profile |
| Drying | Under UV radiation |
| Diluent and additive | Ready-to-use |
| Cleaning | 77 BIO |
| Storage | 12 months stored between +5°C et +35°C |

COLOR RANGES & PACKAGING

VARNISH
UVTHF

5 KG

INSTRUCTIONS FOR USE

SCREEN

All types of mesh from 43 to 90 threads/cm. Emulsions and films must be solvent and UV resistant.

SQUEEGEE

Polyurethane with hardness of 65 shA, Profile P0 or P5.

PERFORMANCE

With a mesh of 43 threads/cm, 1kg will cover approximately 20m².

DILUTION

The UVTHF varnish is ready to use.

GILDING

After printing and drying, gilding should be applied under a pressure of about 150kg/cm² with a form coated with 3 to 5 mm of silicone with hardness of 50 to 55 shA or with an adhesive silicone adhered to a blank form.

The transfer temperature should be between 100 and 120 degrees.

DRYING

The UVTHF in mesh 43 will polymerize under a UV dose of about 90 to 100 mJ/cm².

PRODUCT PROPERTIES

On substrates with low surface energy, the treatment must be higher than 41 dynes/cm.

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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