

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

UVREL DIGIT is a non-CMR UV relief varnish.

APPLICATIONS

Raised-effect varnish formulated for overprinting digital inks.

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

PRINTING

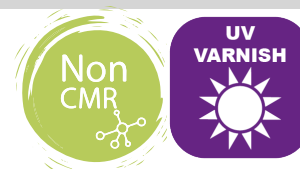
Rotary or flatbed screen printing machines.

MAJOR ADVANTAGES

- Printable over digital inks without primer
- High flexibility
- Good reactivity
- Compatible with flatbed and rotary machines

APPEARANCE

Transparent, glossy finish.



Substrate	Paper, Polyethylene and top coated polypropylene
Mesh	50 to 160 threads/inch (21 à 63 fils/cm)
Stencil	DY, BY, BU and EP
Emulsion	All types of solvents and UV resistant emulsions
Squeegee	65shA minimum Profile P0 for rotative or P5 for flatbed
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

UVREL DIGIT 5 KG

THINNERS AND ADDITIVES

THINNER UV201 1 KG - 5 KG
FAST THINNER LA202V2 1 KG - 5 KG

INSTRUCTIONS FOR USE

SCREEN

All mesh types from 21 to 66 threads/cm.
Emulsions and films must be UV and solvent-resistant.

STENCIL

DY, BY, BU and EP stencils (EP for high-speed text printing). Screens with 43 to 63 threads/cm.
Emulsions and films must be UV and solvent-resistant..

SQUEEGEE

Flexible polyurethane, 65 Shore A (Soft), P0 profile for rotary printing and P5 profile for flatbed printing.

DILUTION

UVREL DIGIT varnish is ready-to-use, but in some cases, it can be diluted up to 5% with UV201.

DRYING

L'UVREL DIGIT will polymerize under a UV dose of around 120 mJ/cm².

PRINTING

An in-line corona treatment must be carried out prior to printing to ensure optimal results.

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 scotch 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

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.