

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION

UVRELEX is a NON CMR UV relief varnish.

APPLICATIONS

High-viscosity varnish for relief printing.
Formulated for Braille impression.
*The above-mentioned substrates may differ according to their origin.
It is therefore essential to carry out preliminary tests.*

PRINTING

Roll-to-roll, flatbed screen printing machines.

MAJOR ADVANTAGES

- Highly flexible.
- Good reactivity.
- Remarkable tension, smooth and solid right after printing/curing.

ASPECT

Transparent, glossy finish.

Substrates	Paper, polyethylene and top coated polypropylene
Mesh	21 to 63 threads/cm (50 to 160 fils/cm)
Emulsion	All types of UV and solvent-resistant emulsions
Squeegee	65 shore A minimum P0 or P5 profil
Drying	From 100 to 150 mJ/cm ²
Diluants et additifs	Ready-to-use
Cleaning	77B10
Storage	24 months stored in between +5°C et +35°C

COLOR RANGE & PACKAGING

VARNISH

UVRELEX 1 KG / 5 KG

DILUENT AND ADDITIVE

FAST THINNER LA202V2 1 KG
THINNER UV201 1 KG

INSTRUCTIONS FOR USE

Screens

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

Squeegee

Flexible polyurethane, hardness A65 Shore, to obtain a maximum deposit.

Performance

43 threads/cm, 1kg will cover about 20m².

Dilution

UVRELEX varnish is ready-to-use.

Drying

UVRELEX printed on a 43 thread/cm mesh will polymerize under a UV dose of around 100 to 150 mJ/cm².

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 thin skin on the surface.
For this reason, it is advisable to work in a low lighting or safelight environment.

Screen cleaning

Cleaning with the 77B10 solvent is recommended.

WASTE MANAGEMENT

Packaging contaminated with hazardous substances.
Do not dispose of in the environment.

VFP Ink Technologies encourages all users to develop a responsible environmental policy.

STORAGE

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

HEALTH AND SAFETY

Refer to MSDS.

We recommend that you wear the Personal Protective Equipment recommended by the MSDS and follow its handling precautions.

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.