

## TECHNICAL SPECIFICATIONS

### PRODUCT DESCRIPTION

UVRELEX V2 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

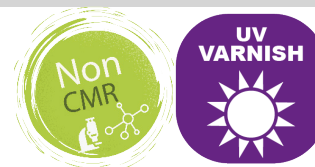
Roll-to-roll, flatbed screen printing machines.

### MAJOR ADVANTAGES

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

### APPEARANCE

Transparent, glossy finish.



<b>Substrate</b>	Paper, Polyethylene and top coated polypropylene
<b>Mesh</b>	50 to 160 threads/inch (21 to 63 threads/cm)
<b>Emulsion</b>	All types of solvents and UV resistant emulsions
<b>Squeegee</b>	65 shA PO or P5 profil
<b>Drying</b>	Under UV radiation
<b>Diluent and additive</b>	Ready-to-use
<b>Cleaning</b>	77 BIO
<b>Storage</b>	24 months stored between +5°C et +35°C

## COLOR RANGES & PACKAGING

### VARNISH

UVRELEX V2 1KG - 5 KG

### DILUENTS AND ADDITIVES

THINNER UV201 1 KG  
FAST THINNER LA202V2 1 KG

## INSTRUCTIONS FOR USE

### SCREEN

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

### SQUEEGEE

Flexible polyurethane, hardness 65shA, to obtain a maximum deposit.

### PERFORMANCE

43 threads/cm, 1kg will cover about 20m<sup>2</sup>.

### DILUTION

UVRELEX V2 varnish is ready-to-use.

### MIXING

UVRELEX V2 varnish can be mixed with UVILABEL V2 colors to create raised colored effects (e.g., UVRELEX V2 + 15% LA905 V2 black) for a raised black finish.

### DRYING

UVRELEX V2 printed on a 43 thread/cm mesh will polymerize under a UV dose of around 100 to 150 mJ/cm<sup>2</sup>.

### 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 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

24 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.