

## TECHNICAL SPECIFICATIONS

### PRODUCT DESCRIPTION

**UVRELCOL** is a UV relief varnish to tint.

### APPLICATIONS

High viscosity varnishes dedicated to printing tinted relief varnishes.

*The above-mentioned substrates may differ according to their origin.*

*It is therefore essential to carry out preliminary tests.*

### PRINTING

Flatbed roll-to-roll machines for continuous label printing.

### MAJOR ADVANTAGES

- Great flexibility
- Good reactivity.
- Print relief and color in one printing pass.

### APPEARANCE

Glossy finish.

<b>Substrates</b>	Paper, Polyethylene and top coated polypropylene.
<b>Mesh</b>	80 to 200 threads/inch (31 to 79 fils/cm)
<b>Emulsion</b>	All types of solvent and UV resistant emulsions
<b>Squeegee</b>	65 shore A minimum
<b>Drying</b>	150mJ/cm <sup>2</sup>
<b>Diluent &amp; Additive</b>	Ready-to-use
<b>Cleaning</b>	77BIO
<b>Storage</b>	24 months stored in between +5°C and +35°C

## COLOR RANGE & PACKAGING

### UVITINT UX



1 KG

**VARNISH**  
UVRELCOL

1 KG

### DILUENTS AND ADDITIVES

THINNER UV201

1 KG

FAST THINNER LA202V2

1 KG



## INSTRUCTIONS FOR USE

### Screen

All mesh types from 31 to 71 thread/cm.  
Emulsions and films must be solvent resistant.

### Squeegees

A65 Shore medium.

### Performance

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

### Dilution

The UVRECOL varnish is ready to use.

### Mixing

The UVRECOL varnish can be tinted with UVTINT colorants with this proportions:

3% for the black, 3 to 5% for colors, 8 to 13% for silver, gold and white.

Can be mixed with ours Labelmat V2 inks.

### Drying

UVRECOL printed with 43 threads/cm mesh will polymerize under a UV dose of about 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 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 77B10 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

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