UVRELEX V2

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.

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

COLOR RANGES & PACKAGING

VARNISH	
UVRELEX V2	1KG - 5 KG
DILUENTS AND ADDITIVES	1 KG
THINNER UV201	1 KG
FAST THINNER LA202V2	

INSTRUCTIONS FOR USE

SCREEN
All mesh types from 21 to 63 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 20m².

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/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 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