UV RELEX BIOSOURCED

(UVRELBRC)

UV INK

VARNISHES

TECHNICAL SPECIFICATIONS

PRODUCT DESCRIPTION
UV RELEX BIOSOURCED is a partly bio sourced non-CMR UV varnish.

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

PRINTING
Flatbed and rotary roll-to-roll machines for continuous label printing.

MAJOR ADVANTAGES
- Highly flexible.
- Good reactivity.
- NON CMR.
- Incorporates raw materials of bio-sourced origin.

ASPECT
Glossy finish.

Substrates	Paper, polyethylene and top coated polypropylene
Mesh	50 to 160 threads/inch *21 to 63 fils/cm*
Emulsion	All types of UV and solvent-resistant emulsions
Squeegee	A65 shore minimum
Drying	150 mJ/cm^2
Diluants et additifs	Ready-to-use
Cleaning	77BIO
Storage	12 months stored in between +5°C et +35°C

COLOR RANGE & PACKAGING

VARNISH	
UVRELBRC	5 KG

INSTRUCTIONS FOR USE

Screens
All mesh types from 21 to 66 threads/cm.
Emulsions and films must be solvent resistant.
Stencil: 125.

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

Performance
With a 43 threads/cm, 1kg will cover about 20m^2.

Dilution
UV RELEX BRC (UVRELBRC) varnish is ready-to-use.

Drying
UV RELEX BIOSOURCED printed on a 43 thread/cm mesh will polymerize under a UV dose of around 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 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 77BIO solvent is recommended.

VFP INK TECHNOLOGIES - www.vfp-ink.com - contact@vfp-ink.com
Immeuble Le TREMA 163 Quai Aulagnier CS 40058 - 92601 Asnières sur Seine Cedex - France
Tel +33 3 22 85 76 17 / Fax +33 3 22 85 12 28

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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

12 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.

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