

Description:

ESE is the new family of eco-friendly inks named after the three pillars at the base of the sustainable development : economy, society, environment.

Sustainable inks in terms of raw materials selected and care given during the whole manufacturing process.

Environmental awareness and sustainability are integral part of Virus innovation: every day we update our manufacturing process, reconsidering the raw materials involved to give our customers safe solutions in compliance with the most recent laws and regulations.

ESE ORGANIC inks are made up to 80% from Plant-Based and renewable raw materials. They don't release any harmful components in the working environment during the printing processes and comply with the strictest global standard. Furthermore, ESE ORGANIC range is also printable WET ON WET , ensuring the best productivity performances combined with excellent printing results, comparable to those of the best water-based inks.

* You can print ESE ORGANIC on a wide range of fabrics like cotton and blends, but also on 100% polyester or other textile fabrics with dye migration problem making an underbase with our standard **Virus® No-Sublimation Base**.

ESE ORGANIC WHITE

is the ready for use white ink that guarantees a great printability, perfect as underbase for the overprint of colours as well.

ESE ORGANIC CLEAR

The transparent pigmentable base, it's compatible with Virus Mixing System from which you can obtain all Pantone formulas by mixing concentrated pigments.

ESE ORGANIC PROCESS

The ready for use 4 color process inks complete the range and offer the possibility to reduce the number of screens delivering great result.

Specifications:

To achieve best results with ESE ORGANIC WHITE we recommend double-stroke printing using 48-120 screen mesh/cm (123-205 mesh/inch) and a triple squeegee 65/90/65 or 75/90/75. You can print ESE ORGANIC CLEAR and ESE ORGANIC PROCESS wet on wet and achieve fine details and half-tones by choosing 77-120 screen mesh (192-305 mesh/inc) and 85 shore squeegee. Ideal curing time is 2 minutes at 150°C / 160°C (302-320°F)

Compliance:

ESE ORGANIC Range complies with GOTS , Oekotex Standard Class I and the strictest RSL. For more info please contact info@virusinks.com

Notes:

All the information are provided in good faith. Before starting production, test inks, fabric and procedures to make sure they meet your Clients standards and specifications.

KIND OF FABRICS



Cotton , natural biodegradable fabrics, polyester and blends *

MESH COUNT



48-120 mesh/cm (123- 205 mesh/inch)
Screen tension > 20N/cm

SQUEEGEE DUROMETER



Single blade 65-85
Triple blade 65/90/65 or 75/90/75
Double stroke - Medium speed.
Squeegee angle 15/20°

STENCIL



Water-resistant emulsion
EOM 15%

FLASH & CURING



Flash 2-3 seconds 100°C (212°F)
Curing 150-160°C (302-320°F)
for 2 minutes

PIGMENTS LOADING



Refer to Virus Mixing System

VIRUS ADDITIVES



UNIFIX LC 3%
(for white ink) and 5% (for the clear ink)
HYDRACRILL RETARDER 3-8%
HYDRA REDUCER 120 3%

CLEANING



Use water or eco-detergents

BEST STORAGE



Shelf-life 18 months
from the manufacturing date
Store at >40°F <86°F (5°C 30°C)
in sealed containers