

Technical Data Sheet

SILKFLEX ECO OXAL FIXER SU-400E

INTRODUCTION:

“SILKFLEX ECO OXAL FIXER SU-400E” is a fixer which can be added into Silkflex textile inks and printing paste to improve wash and colour fastness. Unlike regular fixers, “Silkflex Eco Oxal Fixer SU-400E” is free of formaldehyde, alkyl phenol ethoxylates (APEO), azo dyes, heavy metals, aromatic solvents and polyvinyl chloride (PVC). “Silkflex Eco Oxal Fixer SU-400E” when added into Silkflex inks will effect fixing and provide improved adhesion onto fabric and at the same time enhance the water/chemical resistance of the ink. “Silkflex Eco Oxal Fixer SU-400E” is also very effective for adhesion promotion on T/C fabrics.

CHEMICAL PROPERTIES:

APPEARANCE : High viscosity off-white paste

PH VALUE : 7±1

IONIC NATURE : Anionic

APPLICATIONS PROCEDURE:

Add 2-5% of “Silkflex Eco Oxal Fixer SU-400E” directly into Silkflex inks and stir until homogenous. “Silkflex Eco Oxal Fixer SU-400E” is reactive and can cause gelling of the inks upon prolonged storage. Hence, it is advisable to mix “Silkflex Eco Oxal Fixer SU-400E” into the inks only upon printing. Silkflex inks with Silkflex “Silkflex Eco Oxal Fixer SU-400E” should be used within 24 hrs. after mixture. Please ensure cleanliness at all times when using Silkflex “Silkflex Eco Oxal Fixer SU-400E”. “Silkflex Eco Oxal Fixer SU-400E” when contaminated, can gel up or separate due to chemical reaction. Silkflex inks with “Silkflex Eco Oxal Fixer SU-400E” will provide improved wash and colour fastness 24 hrs. after printing. Allow the prints to cure for at least 72 hrs. for optimum results.

PRINTING PARAMETER:

Fabric Type	: 100% Cotton
Mesh Count	: 86-230t/in (34-90 t/cm)
Mesh Tension	: 25-35 n/cm ²
Squeegee	: 60-70 Durometer (Sharp/Square edge)
Curing	: 305°-320°F (150°-160°C) for 2 mint
Others Additives	: Fixer 3% by weight max
Storage	: 65°-90°F (18°-32°C), Avoid Direct Sun
Clean Up	: Water
Health & Safety	: As per MSDS

COLOR LOADING:

For Black Color	: 100% Clear
For Dark Colors	: 10% White & 90% Clear
For Medium Colors	: 20-30% White with 70-80% Clear
For Light Colors	: 50% White & 50% Clear
For Pastel Colors	: 90-100% White with 0-10% Clear

CERTIFICATION:

Free from **APEO** as per the requirements of Directive 2003/53/EC of the European Parliament and of the council 18th June 2003 amending for the 26th time Council Directive 76/769/EEC. Also free from **Cationic Surfactants**.

It is complied with the requirements of Directive 2002/61/EC of the European Parliament and of the council 19th July 2002 amending for the 19th time Council Directive 76/769/EEC regarding the restriction on the marketing & use of certain dangerous substances and preparation (**AZO** colorants)

The product does not contain any AZO aryl derivatives and one or more **AZO** groups (24 contains) banned amines mentioned in the German Consumer Goods Ordinance

The amount of heavy metal impurities (**Chromium, Mercury, Barium, Selenium, Antimony, Cadmium, Arsenic, Lead** etc.) present in all products are below the ETAD (Ecological and Toxicological Association of Dyes and Organic Pigments Manufacturers) recommended limit value guideline.

It complies with the **Oeko-Tex Standard 100**, which regard to the limit value of substance which are

Free of **carcinogenic dyestuffs, Flame Retardants, Perfluoro Compounds**

Free of **Formaldehyde, Chloroparaffins, Chromium VI (Cr⁶⁺)**

Free of harmful to health substance such as **pesticides, allergy-inducing dyestuff or tin-organic compounds** etc

The product satisfies the requirements that are defined in Article 57 of regulation EC no 1907/2006 (The **REACH** Regulation). Also there is no substance from the **SVHC** "candidate list"

Compliant with CPSIA 2008 (Consumer Product Safety Improvement Act) Section 101, Lead Content in Substrates (<300 ppm lead); 16 CFR, Part 1303, Lead in Paint (<90 ppm lead); and CPSIA 2008, Section 108, Phthalates (<.1% **DEHP, DBP, BBP, DINP, DIDP, DNOP**).

It also free from **Chlorinated Aromatic Hydrocarbon, Phenols (PCP, TeCP, OPP) and Others restricted Organic Compound (DBT, DOT, TBT, TOT, TCyHT, TPT, TPhT), PCB, PCT, PVC & Triclosan**