

Technical Data Sheet

Silkflex Puma Matt Coat SPMC-1912

INTRODUCTION:

Silkflex Puma Matt Coat SPMC-1912 is a matting concentrate which can be added into Silkflex textile inks and printing paste to reduce gloss. Silkflex Puma Matt Coat SPMC-1912 provides a matt finish with exceptional softness, elasticity, smoothness and handfeel. In addition, the prints are tack free and provide good anti-block properties (no face-to-face sticky transfer of inks).

CHARACTERISTICS:

1. Excellent rubbing fastness, washing Fastness & water resistance
2. Excellent soft to hand-touch.
3. Excellent brightness results.

CHEMICAL PROPERTIES:

APPEARANCE High viscosity white paste

PH VALUE : 7±1

IONIC NATURE : Anionic

RECIPES:

| | |
|--|--------------|
| SILKFLEX ECO OXAL FIXER SU-400E | = 3% |
| <u>Silkflex Puma Matt Coat SPMC-1912</u> | <u>= 97%</u> |
| PASTE FOR PRINTING | = 100% |

APPLICATIONS:

1. Please each printing has to get dried or cured, then proceed the next printing.
2. For fast drying after screen printing, curing in oven under 150°C~160°C, 2~3 mins.
3. The print can be dried at ambient temperature but allow for seven days before conducting wash test. Alternatively, these prints can be hot pressed at 120°C for 10 sec to help speed up the curing process

PRINTING PARAMETER:

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|------------------|---|
| 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 |

NOTE:

1. Well curing is very important to every printing .in case, any press and heat have to be done, make it on the next day at 100~140⁰C, 3~5 seconds by press& heat machine.

Storage

Do not exceed one year from date of manufacture. Protect from frost (>5oC). Keep lids tightly closed at all times after use.

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 57of 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**