

Technical Data Sheet

PREMIUM RUBBER FROST MATT PRFM - 004

INTRODUCTION:

PREMIUM RUBBER FROST MATT PRFM -004 is an Acrylic Co-polymers (water base) blended with Titanium Dioxide (TiO₂). It is flexible, soft and possesses durable film properties with excellent water and abrasion resistance. It is designed to be used with Pigment Paste and provides excellent adhesion on both natural and synthetic fibers (such as Knitting, Polyester, T/C, Cotton and so on). It has excellent fastness against normal, after-treatment on fabrics (washing, chloride, enzyme etc.)

CHARACTERISTICS:

1. Excellent hiding ability (Pigment shade will not be affected by the color of the base fabrics).
2. Short printing time and formulated to be suitable.
3. Excellent rubbing fastness, washing Fastness & water resistance
4. Excellent soft to hand-touch.
5. Excellent brightness results.

CHEMICAL PROPERTIES:

APPEARANCE : white paste

PH VALUE : 7±1

IONIC NATURE : Non-ionic

RECIPE:

PRINT ON ANY GROUND :-

PREMIUM RUBBER FROST MATT PRFM -004	= 96%
SILKFLEX NYLON OXAL NF-330	= 3%
<u>SILKFLEX FLOCK FIXER SF-103</u>	= 2%
PASTE FOR PRINTING	= 100%

APPLICATIONS PROCEDURE:

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

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 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**