FTS SERI INTERFERENCIA/ TR

Plastisols

1. DESCRIPTION.

SERI INTERFERENCIA TR SUMIPRINT® is a screen printing ink specifically formulated as a base coat, offering a multicolor shimmering finish that changes depending on the viewing angle. It is designed for use as a **metallic finish** or within the **FTS (Fusion Transfer System) SUMIPRINT®** process.

This product has been specially designed to meet the OEKO-TEX® Standard 100 (II), CPSIA (Consumer Product Safety Improvement Act) and California Assembly 1108 rule on the following parameters:

- *PVC*
- *Phthalates (DEHP-DOP, DnOP, DBP, BBP, DINP, DIDP, DIBP)*
- *Heavy metals (Plomo (Pb), Cadmio (Cd), Cromo (Cr), Mercurio (Hg), Arsénico (As), Antimonio (Sb), Cobre (Cu), Cobalto (Co), Níquel (Ni))*

2. MAIN FEATURES.

- Multicolor metallic effect
- Uniform transfer
- Excellent printability
- High fastness:
- Available colors:

- TR0104 FTS SERI INTERFERENCE BLUE-GREEN
- TR0105 FTS SERI INTERFERENCE GOLD-VIOLET
- TR0106 FTS SERI INTERFERENCE BLUE-PURPLE

3. PRODUCT APPLICATION

On dark fabrics:

- Depending on the desired opacity, apply **1 to 2 layers**, with **2–3 strokes per layer**, using intermediate flash drying.
- Cure preferably using a belt dryer at **170 °C for 30 seconds**.
- Perform the image transfer using **SUMIPRINT® FTS DIGITAL INK** printed on **SUMIPRINT® FTS PAPER**.
- Place the printed garment and overlay with the transfer paper. Use a **heat press** at **185 °C**, applying **medium-high pressure (60–90 psi)** for **30–40 seconds**. Allow to cool slightly, then peel warm.

On light fabrics:

- A dark plastisol underbase is required. Repeat the same process as for dark fabrics.
- To achieve a glossy and sparkling finish, it is recommended to perform final curing using **SUMIPRINT® PAPERGLOSS PE0505**

4. RECOMMENDATIONS

4.1 Before running any production, it is very important to test suitability of the ink and adjust all printing variables, in order to make sure the product meets all your quality standards.

4.2 Always perform testing before full production to verify the suitability and adjust all printing variables.

4.3 Ensure consistent ink deposit and uniform application to achieve a flawless transfer.

4.4 Monitor application pressure, especially on dark fabrics. Excessive pressure may anchor the plastisol too deeply into the fabric, leading to reduced opacity, contrast loss, and duller colors.

4.5 Peel the transfer paper **warm**; peeling cold may cause difficulty.

4.6 For proper removal, place the print on a flat surface and peel the fabric away from the paper at a **180° angle**.

4.7 If the paper tears during peeling, reheat the application and peel while hot. For small adhered paper fragments, moisten the area, wait approx. 5 minutes, then rub gently with a damp cloth to remove residue.

4.8 For designs with high color density and resolutions of **720x720 dpi or higher**, a light drying of the paper is recommended to avoid vapor buildup that may cause transfer defects

4.9 Only use **SUMIPRINT® FTS DIGITAL INK** with **SUMIPRINT® FTS PAPER**. Note: the quality of the digital print directly determines the final transferred image—transfer does not correct banding or print defects.

4.10 Once a uniform transfer is achieved, perform a wash-fastness test to ensure complete fusion of the transferred area with the **TR01 FTS SERI INTERFERENCE plastisol**. A successful fusion ensures excellent durability and detail retention.

4.11 Ensure the heat press surface is completely flat and fitted with a **hard rubber pad**, to prevent irregularities during transfer.

4.12 For fabrics prone to dye migration, use **NE0525 PLASTISOL BLOCK MIGRATION** as an underbase. Apply as many layers as needed to block migration, then apply **TR01 FTS SERI INTERFERENCE plastisol**. Carefully control pressure and temperature during curing to prevent dye migration. (Optimize by reducing time, temperature, and pressure where possible.)

4.13 If a belt dryer is not available, flash cure the ink and proceed directly to the heat press transfer step.

4.14 Do not add any additives to the ink. Use as-is for optimal performance and to maintain its properties.

4.15 The viscosity of **TR13014 SUMIPRINT® FTS SERI INTERFERENCE plastisol** as provided can be reduced by gentle manual stirring or low-speed mechanical mixing.

5. TECHNICAL SPECIFICACIONS

Mesh: 32– 55(Threads/cm) 79 - 140 (Threads/in)
Susbstrate: 100% Cotton, Cotton blends.
Squeegee Hardness : 60-70 Shore
Curing : Pre- drying 80-90°C Heat press: (170°C /338°F) / 15-25 sec. Pressure: (60-150 psi)
Recommended Eulsión: Fotopol PG100

6. PRESERVATION AND STORAGE

Keep in a closed container to prevent alteration or contamination of the product. Store in a dry and a fresh area (under 35° C) and keep it away from direct or indirect heat

The stability of the product in the original package is 24 months since the date of manufacture indicated in the Lot code: YY / MM / Consecutive. Once open, the product should be used as soon as possible following storage recommendations.

7. CHEMICAL CONTENT NOTE

Based on our formulations, it is possible to declare our products do not contain neither phthalates nor heavy metals listed on the most of international law regulations such as CPSIA (Consumer Product Safety Improvement Act), Californa Assembly Bill 1108 and Oekotex standar 100.

Due to all variables taking part during printing process, Sumiprint Química and Color S.A.S does not guarantee chemical content itself, the user is responsible to make testing at his own risk and check chemical contents before running any production and guarantee to meet the requirements.

Sumiprint Química and Color and its distributors do not assume any responsibility on contamination caused by some chemicals substances restricted by international law. During mass production must have special care with tools or cans that come into contact with product to avoid pieces of polluting substances.

8. IMPORTANT

The technical information of this technical sheet and/or our technical support staff is provided only for guidance and do not constitute any direct or indirect guarantee. The users of this product must determine on their own if it meets the conditions of process and final use.

For more information contact us through www.sumiprint.com or servicioclientе@sumiprint.com