

INTRODUCTION

EPRIPRINT is new generation eco-friendly RSL compliant polymeric thickeners which are designed for aqueous pigment printing system.

CERTIFICATION

- GOTS & ZDHC
- RSL compliant

FEATURES

- **Brilliancy:** Eliminates the blackish hue and dulling of pigment prints
- **Solidity:** Covers the weaving imperfections especially in large blotches
- **Feel:** EPRIPRINT has been designed to give an excellent handle to fabrics printed with pigment pastes, especially in darker shades where excess use of pigments traditionally results in harsher feel
- **Backside Penetration:** EPRIPRINT allows for better surface printing resulting in reduced ink consumption and less body to the fabric as the pigment paste is prevented from penetrating the fabric thus also reducing printing costs and improving brilliancy
- **Bleeding:** Due to its high water binding capacity, EPRIPRINT prevents bleeding of colors on polyester fabric better than other water based thickeners thus resulting in a sharper print.

Note: EPRIPRINT gives further better color value, feel, and wash fastness than the Zycoprint series

CHEMICAL PROPERTIES

FORM	
Appearance	Viscous pourable Liquid
Color	Yellowish to dark brown
Odour	Paraffinic
Bulk Viscosity	4000 ± 2000 cps at 30°C
Water solubility	Dispersible in Water
pH	6 - 8

COMPATIBILITY WITH

- Anionic products: Good
- Non-ionic products: Good
- Cationic products: Incompatible

APPLICATION

EPRIPRINT can be used in all pigment printing processes such as Flatbed, Rotary Screen and Table printing on cellulosic and synthetic fabrics and blends, e.g. PES / CEL lightweight fabrics

Once EPRIPRINT has been added to the paste, its action develops rapidly.

Guideline For Base & Stock Paste Making

BASE PASTE MAKING	
Water	50% of total quantity
Binder (EPRIBOND)	5% (Base Paste for up to 0.5% shades)
R 77	0.50%
R 66	1%
Thickener (EPRIPRINT)	0.5 to 1.5% simultaneously with water addition during stirring. Viscosity target is 50-60 K
R 88	1% and stir for 5 min additionally

Additional water to make it 100% as needed with Epriprint to get printable viscosity 20-30k cps. It is recommended to maintain pH of the paste at about 8 to 9 by adding Liq. Ammonia as needed. Add urea for longer run use or in hot & dry conditions. Filter using 140-160 mesh cloth.

Note: For 0.5% to 5 % Shade depth, maintain Binder Ratio (Pigment : Binder) 1 : 3/4 in Stock paste. Add additional binder as needed in Base paste and then add pigment, if needed adjust the viscosity with thickener and filter.

Note: Addition of Thickener is recommended in 2 parts which helps for better paste preparation performance.

PRINTING PASTE	
Stock Paste	1000 to 950 Gms
Pigment	0 to 50 Gms
Total	1000 Gms

Binder to be added as needed additionally for darker shades.

Print -----> Dry -----> Cure

Curing Method: Cure with hot air for 5 min at 150° C temperature. For PC Cure at 160° C for 5 minutes to get further better fastness with Epribond binder.

EPRIPRINT

STORAGE & SHELF LIFE

- Do not store under direct sunlight or at a temperature exceeding 35°C
- Always keep the lid closed after the material is withdrawn from container
- Minimum shelf life of the product is 18-24 months (under ideal storage conditions)

DISCLAIMER:

The information & data contained herein are given in good faith but without warranty. We recommend that before using our products, the customer should make his/her own tests to determine the suitability of the products for his/her own purpose under his/her operating conditions. As the circumstances under which our products are stored. Handled and used are beyond our control, we cannot assume any responsibility for their use by the customers.