

INTRODUCTION

Zycoprint are 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:** Zycoprint 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:** Zycoprint 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, Zycoprint prevents bleeding of colors on polyester fabric better than other water based thickeners thus resulting in a sharper print

CHEMICAL PROPERTIES

FORM	
Appearance	Viscous pourable Liquid
Color (Zycoprint)	Off White to pale yellow
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

Zycoprint 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 fabrics.

Once the Zycoprint 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 (ZYTROL Series)	5% (Base stock Paste for up to 0.5% shades)
R 77	0.50%
R 66	1%
Thickener (ZYCOPRINT)	1-2 % add till you get 30-40 K CP viscosity
Water	X % of balance quantity
Thickener (ZYCOPRINT)	0.5 to 1.5% simultaneously with water addition during stirring. Viscosity target is 20-35 K CP
R 88	1% and stir for 5 min additionally

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 dry condition.

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 performance and viscosity management.

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

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 Zytrol series binder.

ZYCOPRINT

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.

INTRODUCTION

Zycoprint Plus 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:** Zycoprint Plus has been designed to give excellent handle to fabrics printed with pigment pastes, especially in darker shades where excess use of pigments traditionally results in harsher feel
- **Backside Penetration:** Zycoprint Plus 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, Zycoprint Plus prevents bleeding of colors on polyester fabric better than other water based thickeners thus resulting in a sharper print

Note: ZYCOPRINT+ 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

Zycoprint Plus 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 the Zycoprint Plus 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 (ZYTROL Series)	5% (Base Paste for up to 0.5% shades)
R 77	0.50%
R 66	1%
Thickener (ZYCOPRINT PLUS)	1-2 % add till you get 30-40 K CP viscosity
Water	X % of balance quantity
Thickener (ZYCOPRINT PLUS)	0.5 to 1.5% simultaneously with water addition during stirring. Viscosity target is 20-35 K CP
R 88	1% and stir for 5 min additionally

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 dry condition

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 performance and viscosity management.

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

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 Zytrol series binder.

ZYCOPRINT PLUS

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)

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