

PIGMENT EMULSIONS IN TEXTILE PRINTING

General

The Rosprint pigment emulsions are known for their:

- Colour Strength
- Brilliancy

Rosprint pigment emulsions are recommended for a wide range of applications :

- Direct printing
- Discharge printing*
- Resist Printing*
- Pigment dyeing by conventional ▪ Padding ▪ Exhaustion

Rossari recommends use of only the aqueous system from the environment point of view.

Rossari emulsions are compatible with most aqueous systems available in the market and can therefore be applied conveniently by the conventional technique or by sophisticated colour kitchens.

Preparation of printing paste

a) Preparation of reduction thickening

10 - 15	parts	Sensoprint CP 4000 Liquid
2 - 4	parts	Sensocryl TA 60 Liquid
2 - 4	parts	Hifix CL Liquid
81-72	parts	Water
100	parts	

b) Recipe for Printing Paste

1.0	3.0	5.0	7.0	parts	Rosprint pigment emulsion
99.0	97.0	90.0	85.0	parts	Reduction thickening
-	-	5.0	8.0	parts	Conventional Binder
					100 parts

Fixation by curing

After printing and drying, the goods are subjected to dry heat treatment at 140°C for 5 mins.

Dyeing with Rosprint pigment emulsions by exhaust Method

M. L. R. - 1:10 to 1:15

- Pretreatment**
Treat the material with
Cleapur ALF Liquid 0.5 gms/lit
at the boil. Drop bath and rinse thoroughly.
- Cationisation**
Krisil MDS Liquid 2 - 3%
OR
Krisil TDS Liquid 10 - 15 gms/lit
Caustic Soda 3 - 4 gms/lit
Start cold, raise temperature to 70°C in 10 mins., at 70°C work for 30 mins. Drop bath. Cold wash and neutralise.
- Dyeing**
Rosprint Pigment emulsions X%
Greenpol A Liquid 1 gm/lit
Start cold, raise temperature to 70°C in 10 mins., at 70°C work for 20-30 mins. Drop bath. Rinse cold.
- Wash-down effect**
Suitable treatment for wash-down effect can be introduced at this stage depending upon the required effect.
 - Sofbrade 231 Powder 2%,
Soda ash 1%
pH: 10-11, at 70-80°C for 30 minutes.
 - Genecel GLM-SS Liquid 0.5-1.0%,
pH: 4.5-5.0, at 55°C for 30-45 mins
- Fixation**
Sensoprint CP 4000 Liquid* Y%
Acetic acid 0.5%

Treat the fabric in this bath for 10 mins. at 40°C. The material is subsequently hydroextracted, dried and cured for 5 mins. at 140°C.

* Quantity of binder should be approximately 4 times the quantity of pigment emulsion but ensuring a minimum of 10% and maximum of 20%.



Look from a printer's eye,
where will you get a wide range of shades?













All of them you will get with **ROSprint**
from Rossari





ROSSARITM
making you more competitive

401, Omega, Main Street, Hiranandani Gardens, Powai, Mumbai - 76. India
Tel.: +91-22-2570 9200, Fax: +91-22-2570 9210.
E-mail: info@rossari.com . Website: www.rossari.com






Don't get confused with our
range of shades

ROSSARI'S PIGMENT EMULSION

<h1>ROSPRINT</h1> emulsions		FASTNESS								
		Light (xenon test)			Wash 95°C	Hypochlorite severe	Perspiration		Dry cleaning Perchlorethylene	
		1/6 SD	1/3 SD	1/1 SD			Acidic	Alkaline		
Printing concentration (Reduction 1 : 4)		20	20	20	20	20	20	20	20	20
Screen prints on Cotton Poplin										
	Rosprint Yellow K2G Liquid	7	7	7-8	4-5	5	4-5	4-5	2-3	
	Rosprint Golden Yellow GMP Liquid	2-3	4-5	5	4-5	4-5	4-5	4-5	2-3	
	Rosprint Orange GFG Liquid	4-5	5-6	6-7	4-5	4-5	4-5	5	2-3	
	Rosprint Red CGR Liquid	4	5	5-6	4-5	5	4-5	5	2-3	
	Rosprint Bordeaux GBN Liquid	6	6-7	7-8	4-5	5	5	5	1	
	Rosprint Violet GRB Liquid	6-7	7	7-8	5	5	5	5	4-5	
	Rosprint Navy Blue GRV Liquid	6-7	7	7-8	5	5	5	5	4-5	
	Rosprint Blue CGB Liquid	6-7	7	7-8	5	5	5	5	4-5	
	Rosprint T. Blue GYB Liquid	7	7	7-8	4-5	4-5	5	5	4-5	
	Rosprint Green GSG Liquid	7	7	7-8	4-5	4-5	5	5	2-3	

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		1/6 SD	1/3 SD	1/1 SD			Acidic	Alkaline		
Printing concentration (Reduction 1 : 4)		20	20	20	20	20	20	20	20	
Screen prints on Cotton Poplin										
	Rosprint Olive Green GB Liquid	3-4	5	5-6	4-5	4-5	4-5	4-5	2-3	
	Rosprint Brown GFR Liquid	3	3-4	5	4-5	4-5	5	5	2-3	
	Rosprint Black GVV Liquid	7-8	7-8	7-8	4-5	4-5	5	5	5	
	Rosprint Black GVV (Spl.) Liquid	7-8	7-8	7-8	4-5	4-5	5	5	5	

ECO-FRIENDLY PIGMENT EMULSIONS

	Rosprint Yellow VGR Liquid	20	5-6	6	7	4-5	4-5	5	4-5	2-3
	Rosprint Golden Yellow VRR Liquid	20	5-6	6	7	4-5	4-5	5	4-5	2-3
	Rosprint Orange VBT Liquid	20	5	5-6	6	4-5	5	5	5	2-3
	Rosprint Red VRG Liquid	20	5-6	6	6-7	4-5	4-5	5	5	4-5
	Rosprint Red VCR Liquid	20	6-7	7	7	5	1	5	5	5