



Pink Rose
PIGMENTS PVT. LTD.

TEXTILE COLOUR SOLUTIONS



TECHNICAL PRODUCT BROCHURE

VAT PASTE

ROSENON VAT DISPERSION

Vat dye dispersions for cotton and cellulosic textile printing.
Shade range, fastness values and process references inside.

12 VAT SHADES

PRINTING PASTE

STEAMING

AFTER-TREATMENT

VAT PASTE | PRODUCT OVERVIEW & FABRIC APPLICATIONS

Fine vat-dye dispersions for textile printing

ROSENON Vat Paste is described by Pink Rose as a finely dispersed vat dyestuff range for textile printing on cotton and other cellulosic fibres. The supplied product text highlights bright shades, dispersion and grade-dependent fastness performance.

PRODUCT FORMAT

Vat dyestuff supplied as a fine dispersion for printing applications; not a conventional binder-based pigment printing paste.

DYE LOADING REFERENCE

The supplied description gives a broad dye-loading range of **30-50%**. Confirm the value for each individual grade.

COLOUR RANGE

12 ROSENON listed grades from yellow and orange through red, violet, green, blue, brown, grey and black.

FASTNESS REFERENCE

Individual grades have listed **light, washing and chlorine** fastness ratings. Testing methods were not specified.

Intended cellulosic substrates

Cotton (woven and knitted fabrics) | Rayon / viscose (including viscose staple fabrics) | Cuprammonium rayon

Printing process - as described in the supplied source



The source also mentions discharge-printing use with dischargeable dyes. Validate suitability for the fabric, discharge system and mill conditions before use.

ROSENON | 12 LISTED SHADES AND FASTNESS VALUES

ROSENON vat-dispersion reference chart

The Colour Index references and fastness values below are transcribed from the supplied Pinkrose Vat Paste information. Colour chips are indicative only; the actual 1% / 4% shade specimens were not supplied.

NO.	CHIP	VAT GRADE	C.I. NO.	LIGHT	WASH	CHLORINE
01		Vat Yellow GCN	Yellow-2	4-5	5	5
02		Vat G. Yellow GOK	Mixing Tone	6-7	4	5
03		Vat Orange RF	Orange-5	5	4	4-5
04		Vat Pink R	Red-1	6	4-5	5
05		Vat Violet 2R	Violet-1	6-7	5	5
06		Vat Red Violet RRN	Violet-3	6	4-5	5
07		Vat Green FFB	Green-1	7	5	5
08		Vat Blue 4g	Blue-5	4-5	4	3-4
09		Vat Blue 4B	Blue-5	5	5	4
10		Vat Brown RRD	Brown-5	7	4-5	5
11		Vat Grey 3B	Black-16	6-7	5	5
12		Vat Black BG	Black-7	6-7	5	5

Important: Ratings are shown exactly as provided, without an identified testing standard. Reconfirm technical specifications and representative shades before customer approval.

Printed source recipes for laboratory trials

The supplied Vat Paste material shows a 5% shade printing-paste reference and a separate stock-paste recipe. The entries below reproduce the listed quantities; these are **not a validated production formula**.

PRINTING PASTE (5% SHADE)		REDUCTION STOCK PASTE	
Thickener	900 g	Rangolite C Powder	150 g
Water	50 g	Potassium Carbonate	120 g
ROSENON Vat Dispersion	50 g	Glycerine	50 g
Listed subtotal	1,000 g	Above Thickener (B)	680 g

Source handling note

The stock paste is to be **filtered through a fine-mesh cloth before printing**. Record the grade, textile substrate, paste viscosity and printing conditions in each trial.

Technical clarifications before production

1. The source places an additional “**100 gm**” alongside the 50 g vat-dispersion entry without identifying its purpose. It has **not** been included in the recipe above.
2. “Above Thickener (B)” is not fully defined in the supplied text. Confirm the exact material and the intended recipe with the Pinkrose technical team.

VAT PRINTING | PROCESS REFERENCE FROM SOURCE

Post-print treatment stages

The supplied Vat Paste procedure describes drying, air-excluded steaming, oxidation and washing of printed cellulosic fabric.

DRYING

Dry the printed fabric well. The listed drying temperature is **55°C**.

STEAMING

Moist steam at **101-103°C** with air excluded: **rapid ager 10-15 min** or **star ager 25 min**, as stated.

Oxidation - supplied bath reference

The original text specifies **air oxidation before chemical oxidation**. It also lists the following chemical and operating references.

CHEMICAL / CONDITION	SOURCE VALUE
Hydrogen peroxide	2-3 cc/L
Sodium perborate	2-3 g/L
Acetic acid	0.5-1 cc/L
Temperature	45°C
Treatment time	10 minutes

Process validation: These values are transcribed from the supplied source, not a confirmed single-bath manufacturing specification. Check chemical compatibility, appropriate oxidant use, equipment conditions and current SDS procedures before plant trials.

ROSENON | AFTER-OXIDATION TREATMENT & QUALITY

Rinsing, soaping and drying

After oxidation, the supplied process calls for thorough rinsing, warm soaping, further washing and drying. The following amounts are quoted from the source for the soaping stage.

SOAP

3 g/L in the soaping bath.

SODA ASH

2 g/L in the soaping bath.

VISCOSE NOTE

The supplied text references 80°C for viscose fabrics.

Reference finishing sequence

01

Oxidize

Follow the approved oxidizing method.

02

Rinse

Rinse the treated cloth thoroughly.

03

Soap

Use source soap / soda ash references.

04

Wash

Remove residual chemicals and unfixed material.

05

Dry

Dry under suitable fabric conditions.

Recommended grade-qualification checks

Verify shade match, washing performance, chlorine resistance where relevant, lightfastness and process reproducibility on the actual customer fabric. These are suggested checks, not additional measured claims.



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VAT PASTE

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