

RECOMMENDATIONS

Storage : Preferably at room temperature

Handling / Usage

- Pigment Dispersions must be shaken thoroughly before use
- Any foaming can be reduced by using an antifoam.
- To prevent crusting the drum should be closed after use.

Stock Dispersions

- Stock dispersions should be prepared in two stages (first stage pre-dilution 1:2) to avoid pigment shock
- Soft or at least fresh water should be used to avoid precipitation
- The storage tank must be thoroughly cleaned before each new batch (bacteria formation)
- Stock dispersions must be thoroughly shaken before use

Note : Back Water bleeding is assessed on the scale of 1 - 5 where 1 = Heavy Bleeding & 5 = No Bleeding, Light fastness is assessed on 1 - 8 Blue Wool Scale where 1 = Poor & 8 = Excellent. Paper Bleed fastness is assessed on 1 - 5 scale where 1 = Heavy Bleeding & 5 = No Bleeding

Disclaimer : The information included here is based on the most reliable data generated to our laboratories. Since the performance of pigment dispersion also depends on the pulp furnishes and additives used. We recommend the customers should test the performance of the pigments dispersion in their pulp furnishes. We will do our best to provide products of consistent quality within the scope of the general conditions of safe and delivery should in spite of these precautions any liability be established the damage, if any will be limited to the value of the goods delivered by us and used by you.



BILCRON

PIGMENT DISPERSIONS



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BILCRON PIGMENT DISPERSION

Bilcron Pigment Dispersion is the trade name for a variety of specially manufactured organic pigments in an aqueous anionic formulation.

These pigments generally have good to outstanding fastness to light, bleeding and chemicals, enabling them to be used for:

- High light fastness printing papers
- Decorative papers for laminate production
- Colouring coating compounds for printing and copying papers and board
- Shading white and fluorescent whitened papers
- Controlling coloured two sidedness in conjunction with direct dyes (BILIMINE)

They range in pH between 6.5 and 9.5

EXPLANATION

All pigments are illustrated at 0.05 & 0.02 Reference Depth (RD)

Light Fastness (Xenotest)

Light Fastness is determined at 0.2RD on acid sized paper. It is assessed in accordance with ISO105-B02 by comparison with blue scale (rating 1-8)

Backwater Colouration

Furnish coloured to 0.2RD and diluted to 1.4% consistency is filtered through a fine much stainer. The fibre free filtrate is compared with water.

Assessment by comparisons with ISO 105-A03 grey scale

1 = Marked Colouration 5 = Colourless

Bleed Fastness

The test is performed in accordance with DIN 53 991 Part 1 (24h, comparison with glass fibres).

Fastness to Chemicals

An aqueous solution containing chemicals given below is spotted on the coloured paper and left for 2 minutes. The surplus is removed. The shade change is assessed after drying.

Solution : Sodium carbonate Caustic soda Sulphuric acid

Assessment by comparison with the ISO 105-A02 grey scale

Fastness to Styrene

This test is carried out to determine whether pigment dispersion are suitable for incorporation in styrene extended polyester laminates.

TECHNICAL INFORMATION

BILCRON PIGMENTS		BACK WATER	LIGHT FASTNESS	PAPER BLEED FASTNESS	DENSITY (gm/cc)	PH UNDILUTED	VISCOSITY
	BILCRON YELLOW GLL	5	4	5	1.1-1.3	6.9	<3000
	BILCRON ORANGE G	5	4	5	1.0-1.3	6.9	<500
	BILCRON RED GLL	5	4	5	1.0-1.1	6.9	<300
	BILCRON PINK B	5	7	5	1.01-1.20	6.5	≤ 200
	BILCRON VIOLET M	4-5	1-2	5	1.01-1.20	5.5	≤ 100
	BILCRON VIOLET MR	4-5	1-2	5	1.01-1.20	5.5	≤ 100
	BILCRON VIOLET VL	5	6-7	5	1.01-1.20	5	≤ 300
	BILCRON BLUE RS	5	7-8	5	1.1-1.2	6.9	<500
	BILCRON GREEN G	5	7-8	5	1.1-1.3	6.9	<200

*Colours shown are for indicative purpose only. Please contact laboratory for actual colours.



Disclaimer : The information provided in the shade card are for the guidance of the user. Responsibility lies with the user to test and verify before use.