

BROWN LIQUIDS

Furnish

100% Mixed waste
PH – In tap water 7.0 – 7.5
(Addition of 0.5% Alum)

Dyestuff added - BILMINE/ BILSOL Liquid Dyes

Storage

- The dyes should ideally be stored at room temperature
- If frozen, because they have been stored at a temperature below 0°C, they should be thawed slowly and stirred if necessary

Stock Solutions

Stock solutions should be made up with soft water only. If no soft water is available, the stability of stock solutions can be tested in the laboratory after ascertaining the available water quality. If stock solutions are unstable on account of hard water, stability can be improved by a sequestrant, (Preliminary trials in the laboratory are required). Stock solution containers must be thoroughly cleaned with water before re-use to avoid bacteria growth.

IONIC NATURE

BILMINE Liquid Dyes : Anionic

BILSOL Liquid Dyes : Cationic

APPLICATION RECOMMENDATIONS

Anionic Dyes

These are specially suitable for dyeing wood-free papers and those containing small amounts of wood. In batch wise dyeing, anionic dyes should be added as early as possible, while allowing sufficient time for uptake by the stock. Sizes and other process chemicals should preferably be added after the dyes.

Cationic Dyes

Before adding these dyes, it is advisable to neutralize troublesome anionic trash with cationic fixatives or aluminium sulphate. Cationic dyes are highly suitable for continuous application on account of their positive charge and associated more rapid uptake.

Stock Addition

To avoid mottling, care should be taken to ensure rapid, thorough mixing with the stock. Careful preliminary diluting reduces the tendency to mottling. In continuous addition, the dye should be diluted with fresh water (constant pressure) shortly before addition. Agitation of the stock should be vigorous to ensure rapid, thorough mixing. To avoid trouble when adding, it is advisable to place a strainer with a large surface in front of the dispensing equipment. The dispensing pump should be thoroughly rinsed each time the shade is changed. Old stock solutions can cause dispensing problems if not filtered and they should be checked before use.

Mixing of Dyes

Anionic dyes can generally be mixed, at any rate shortly before addition to the stock (e.g. via manifold). Although the dyes have the same ionic character, different formulations can result in instability. Cationic dyes can generally also be mixed shortly before addition to the stock here, too, instability can result from different formulations.

Anionic & Cationic dyes must never be mixed as this leads to precipitation

If anionic and cationic dyes are used in combination, they must be applied at a separate time and place and via separate lines. Anionic dyes and cationic auxiliaries (fixative, wet strength resin or retention aid) should not be added at the same time. Similarly cationic dyes and anionic auxiliaries should not be applied together.

RATINGS:

Water Colouration

- 1 – Strong
- 2 – Distinct
- 3 – Moderate
- 4 – Good
- 5 – Uncoloured

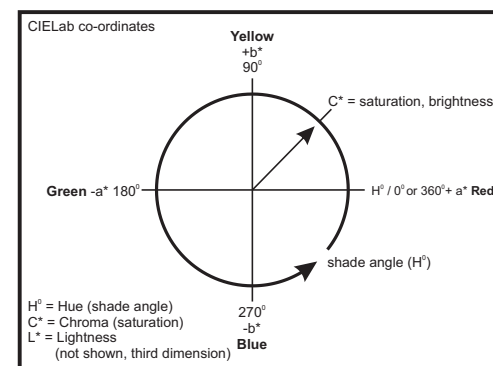
Bleed Fastness

- 1 – Severe Bleeding
- 5 – No Bleeding

Note : Prevent contact with any body parts. Refer MSDS

Liquid Dyes:

- Store in cool place preferably at 20-25°C.
- Protect from sunlight. Store in shaded area.
- Do not leave dyestuff solutions for long time.
- Use plastic or stainless steel tanks for solution preparation.
- Shelf life- 12 months.
- Dye solutions must not come in to contact with Copper/ iron or Zinc during storage/ handling.
- Do not mix different dyes.
- Dyes solutions to be prepared at highest possible dilution for the addition to the furnish



BHAVI International Private limited

Government Recognized ★ Export House

Corporate Office: 209, Mewad, Patanwala Industrial Complex, L.B.S. Marg, Opp. Shreyas Cinema, Ghatkopar (West), Mumbai - 400 086, India.
Tel.: +91-22-2500 0429 / +91-22-6796 9600 | Fax:+91-22-2500 5008
Email: info@bhaviindia.com | Web: www.bhaviindia.com

Site Address: Unit No – 14, Samarth Industrial Estate, Near 100 Shed Area, Shivaji Nagar, Dunga, Vapi, GIDC, Gujarat – 396195 INDIA

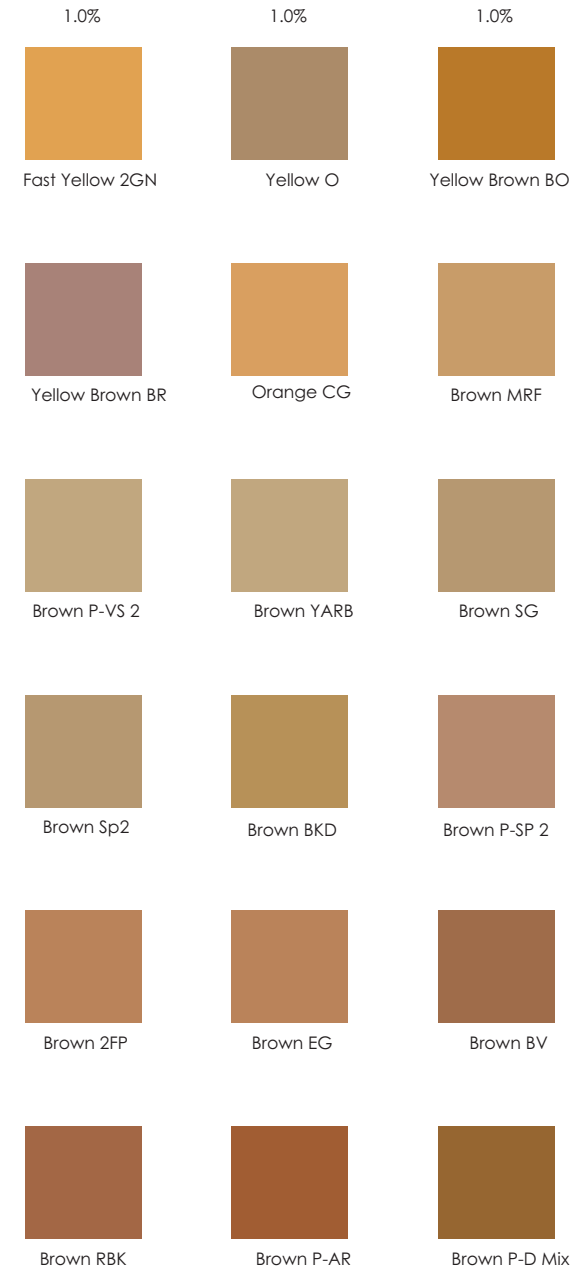


BROWN LIQUIDS



BILMINE BROWN LIQUIDS		FASTNESS PROPERTIES		
		LIGHT	WATER	BACK WATER
Golden Yellow GG 5454		4-5	4	4
Golden Yellow GG 3636		4-5	4	4
Golden Yellow GG 6111		4-5	4	4
Golden Yellow GLY		3-4	4	4
Fast Yellow OG		4	4	4
Fast Yellow OY		4	4	4
Fast Yellow 5040		4	4	4
Fast Yellow BG		4	4	4
Fast Yellow YP		4-5	4	4-5
Brilliant Yellow Y		3-4	4	4-5
Orange O		3-4	4	4
Brilliant Orange OA		3-4	4	4
Brown ENR		4	4	4
Brown WSA		4	4	4
Brown NP		4	4	4
Brown UGS		4	4	4
Brown MSC		4	4	4
Red Brown PRB		3-4	4-5	4

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.



BILSOL BROWN LIQUIDS		FASTNESS PROPERTIES		
		LIGHT	WATER	BACK WATER
Fast Yellow 2GN		2	3-4	3-4
Yellow O		2	3-4	3-4
Yellow Brown BO		2	3-4	3-4
Yellow Brown BR		2	3-4	4
Orange CG		2	3-4	3-4
Brown MRF		2	3-4	4
Brown P-VS 2		2	3-4	4
Brown YARB		2	3-4	4
Brown SG		2	3-4	4
Brown SP2		2	3-4	4
Brown BKD		1	3-4	4
Brown P-SP 2		2	3-4	4
Brown 2FP		2	3-4	4
Brown EG		2	3-4	4
Brown BV		2	3-4	3-4
Brown RBK		1-2	3-4	4
Brown P-AR		1	3-4	4
Brown P-D Mix		2	4	4

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