

TAILING ?
No Repeatability ?
Long wash - off time ?

Bufferon PB

Soft Alkali for CPB Dyeing

BUFFERON PB

Conventional alkali fixation chemicals for CPB dyeing;

Silicate / NaOH or

Na_2CO_3 / NaOH

are very harsh, hence hydrolyzes the reactive dye very rapidly, resulting;

- Batch to batch shade variation,
- Tailing,
- Poor wash fastness properties,
- Longer wash - off time,
- Poor penetration, especially in tightly woven fabric,
- Crispy touch on fabric due to silicate deposit,
- Longer cleaning time of padder, mangle.

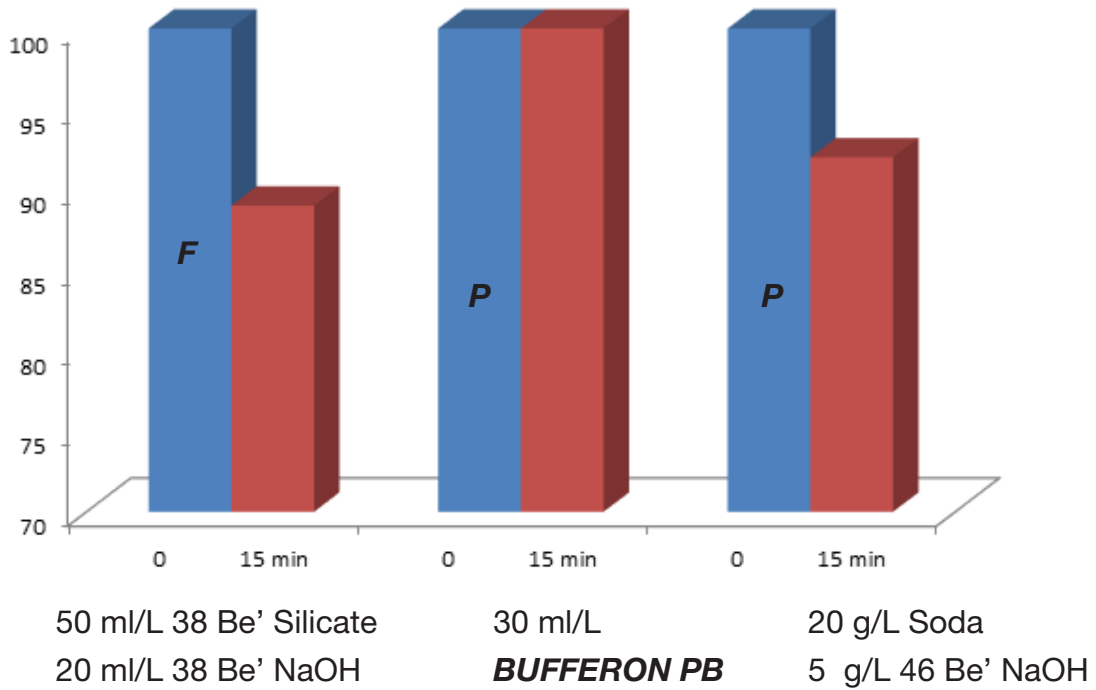
BUFFERON PB is ingeniously designed to overcome above mentioned drawbacks.

BUFFERON PB is a soft alkali for best diffusion and reduced hydrolyzation rate, hence tailing and reproducibility is no more concern!

Following graphs display alkali stability of vinyl sulphone and bifunctional dye in recipes in case of 3 different alkaline systems.

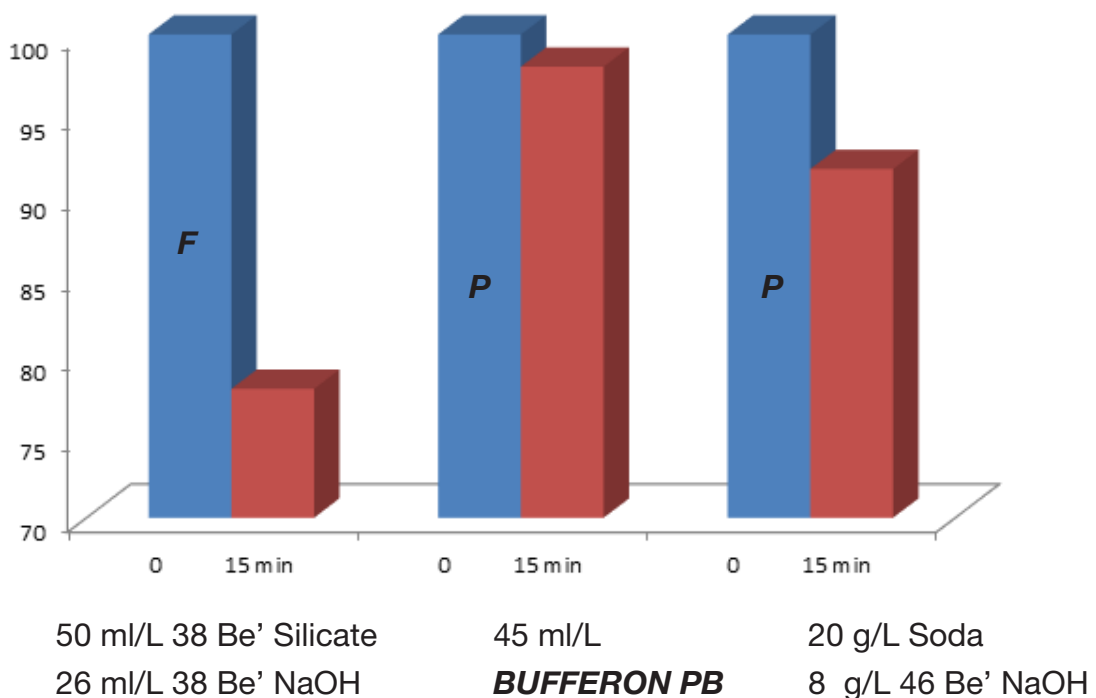
1. Vinyl Sulphone Based Dyes, (Light - Med.Shades)

Yield



2. Vinyl Sulphone Based Dyes, (Dark Shades)

Yield

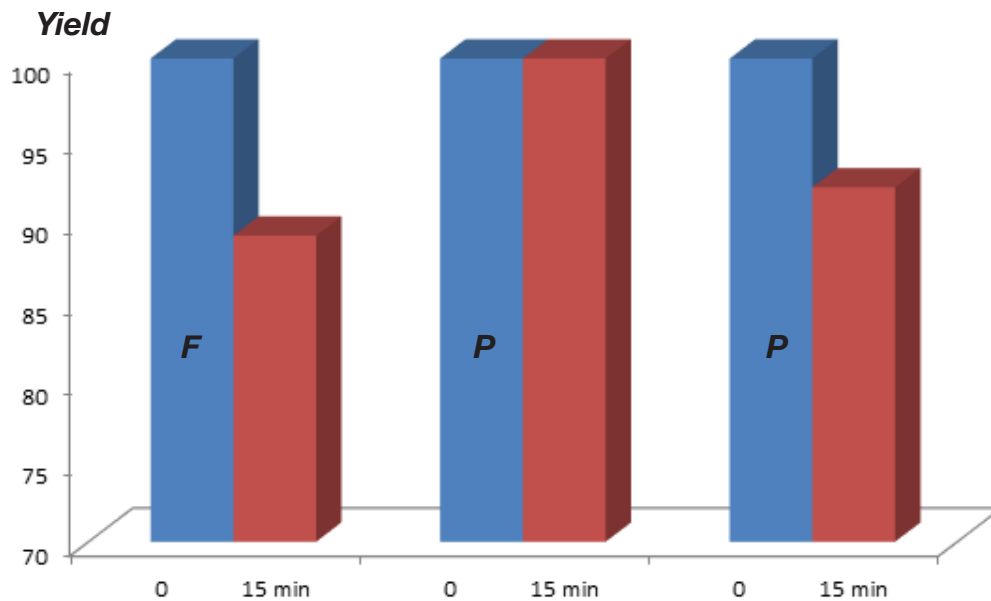


3. Functional Dyes

10 g/L GOLDEN YELLOW RNL 150 %

10 g/L RED K3BS 150 %

10 g/L NAVY BLUE K - BF



50 ml/L 38 Be' Silicate
26 ml/L 38 Be' NaOH

45 ml/L
BUFFERON PB

20 g/L Soda
8 g/L 46 Be' NaOH

Graphs display that, in case of NaOH / Silicate, all recipes are failed. In case of NaOH / Na₂CO₃, only light shades are stable and others are failed.

BUFFERON PB always enables sustainable dyeing along with;

- Short wash - off process,
- Enhanced fastness properties,
- Soft handle.

Recommended After Soaping Process

