
Assofix 'ME' Dyes

Product General Information

These Dyes are double Anchor Reactive Dyes where a Vinyl Sulphone Group is linked to chromophore through a Monochlorotriazine group as a bridge link.

Properties of 'ME' Dyes

1. Excellent self life
2. Good brilliancy of shades
3. Excellent levelling and reproducibility in dyeings
4. Very less difference between percentage of exhaustion and fixation of dyes thus less effluent problem and hence eco-friendly
5. Dye fibre bond between vinyl sulphone group and cellulose is stable to acid hydrolysis and hence dyed goods stability to industrial acidic atmosphere is very good
6. Risk of staining on adjacent whites is minimum since the hydrolysed part of Assofix 'ME' Dyes is made up of Hydroxy Ethyl Sulphone which has practically no affinity for cellulose.
7. Exhibits excellent Alkali stability
8. It has got good all round fastness properties

During the Dyeing Process these dyes are practically less sensitive to

1. Varying material to liquor ratio
2. Varying dyeing temperature ($\pm 5^{\circ}\text{C}$)
3. Variance in salt and alkali concentration ($\pm 10\%$)

GENERAL PROPERTIES OF 'ME' DYES

Assofix 'ME' Dyes	Rubbing			Discharge ability	Substantivity	Reactivity	Solubility at 20° C	Fastness Properties						Perspiration Light	Chlorine Water	Rubbing		
	Exhaust Dyeing	Semi continues	Continues					Light 1/1	Washing ISO 3		Perspiration		Wet			Dry		
									Effect	Stain	Effect	Stain						
																	Effect	Stain
	1%	4%																
Assofix Yellow ME4GL Reactive Yellow 160			S	NS	NS	D	Medium	Medium	70	4-5	4	4-5	4-5	4-5	3	1	4	5
Assofix G. Yellow MERL Reactive Yellow 145			S	S	NS	P	Medium	Medium	100	5	5	5	5	5	3-4	3-2	3-4	4-5
Assofix Orange ME2RL Reactive Orange 122			S	NS	NS	F	High	Medium	30	4	4	4	4	4	2-3	2-3	3-4	4-5
Assofix Red ME3BL Reactive Red 194			S	S	NS	P	Medium	Medium	50	4-5	4-5	5	4-5	4-5	3-4	3	3-4	4-5
Assofix Red ME4BL Reactive Red 195			S	S	NS	P	Medium	Medium	100	4-5	4-5	4-5	4	4	2-3	4	3-4	4-5
Assofix Blue BRF Reactive Blue 221			S	NS	NS	F	High	Medium	80	5-6	4-5	4-5	4-5	4	3-4	3	4	4-5
Assofix Navy Blue BF Reactive Blue 222			S	NS	NS	P	Medium	Medium	60	4-5	4-5	4	3-4	3-4	3	3	3-4	4-5

SALIENT FEATURES OF 'ME' DYES

Assofix Yellow ME4GL

- Economic greenish yellow shade

Assofix Golden Yellow MERL

- Good light fastness, economical colour for trichromatic combination shades.

Assofix Orange ME2RL

- Useful for producing scarlet shades in mixture.

Assofix Red ME3BL

- Good all-round fastness
- Highly productive

Assofix Red ME4BL

- Economical bluish red shade.

Assofix Navy Blue BF

- Most suitable Navy Blue shade for trichromatic combination.

Assofix Blue BRF

- Neutral blue with good light fastness & most suitable for trichromatic combination