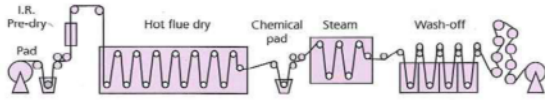


Jakazol[®] HLF Dyes

Pad - Dry - Chemical pad - Steam Method



Pad : dye, wetting agent, anti - migrant, mild oxidant,
IR Pre-dry, Dry : 110 - 130°C, Chemical pad

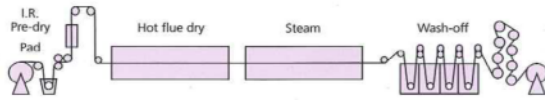
Dyestuff (g/l)	Common Salt (g/l)	Soda Ash (g/l)	Caustic Soda 50% (ml/l)
< 20	250	20	3
20-40	250	20	4

Steam : 90 secs (saturated steam)

Washing-off Process

- 50°C (de - ionised water)
- 60°C (de - ionised water, acetic acid to pH 5-6)
- 95°C (de - ionised water + sequestrant)
- 95°C (de - ionised water + sequestrant)
- 95°C (de - ionised water + sequestrant)
- 80°C (de - ionised water)
- 60°C (de - ionised water)
- Cold (de - ionised water)

Pad - Dry - Steam Method



Mixing pump required : Pad : dye, wetting agent,
anti - migrant, mild oxidant, 50-100 g/l Urea, alkali

Dyestuff (g/l)	Soda Ash (g/l)
< 10	10
10-30	20

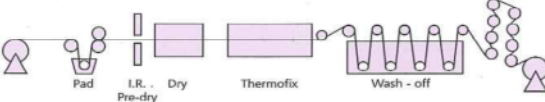
IR Pre-dry, Dry : 100-120°C

Steam : 90secs (saturated steam)

Washing-off Process

- 50°C (de - ionised water)
- 60°C (de - ionised water, acetic acid to pH 5-6)
- 95°C (de - ionised water + sequestrant)
- 95°C (de - ionised water + sequestrant)
- 95°C (de - ionised water + sequestrant)
- 80°C (de - ionised water)
- 60°C (de - ionised water)
- Cold (de - ionised water)

Pad - Dry - Thermofix Method



Mixing pump required :

Pad : dye, wetting agent, mild oxidant, anti-migrant,
sequestering agent, alkali, urea

Dyestuff (g/l)	Soda Ash (g/l)	Urea (g/l)
< 10	10	50
10-30	20	100

IR Pre-dry, Dry : 110-130°C

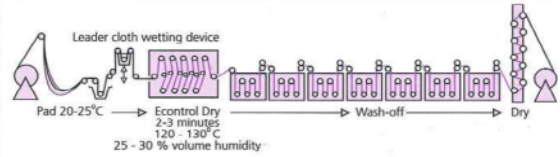
Thermofix : 60 secs at 140°C

Washing-off Process

- 50°C (de - ionised water)
- 60°C (de - ionised water, acetic acid to pH 5-6)
- 95°C (de - ionised water + sequestrant)
- 95°C (de - ionised water + sequestrant)
- 95°C (de - ionised water + sequestrant)
- 80°C (de - ionised water)
- 60°C (de - ionised water)
- Cold (de - ionised water)

Jakazol[®] HLF Dyes

Econtrol[®] Method



Mixing pump required

Pad : dye, wetting agent, mild oxidant, anti-migrant,
sequestering agent, alkali

Dyestuff (g/l)	Soda Ash (g/l)	Caustic soda 50% (ml/l)
< 20	20	5
20-30	20	9

Fixation time 2 - 4 mins

Washing-off Process

- 50°C (de - ionised water)
- 60°C (de - ionised water, acetic acid to pH 5-6)
- 95°C (de - ionised water + sequestrant)
- 95°C (de - ionised water + sequestrant)
- 95°C (de - ionised water + sequestrant)
- 80°C (de - ionised water)
- 60°C (de - ionised water)
- Cold (de - ionised water)

Customer Benefits

- High light fastness in pale shades
- Excellent reproducibility giving high Right First Time levels
- Excellent compatibility giving good level dyeing performance
- Economical products with no available free metal

Abbreviations

- BI - Bluer
- DI - Duller
- S - Suitable
- A - White Discharge
- B - Moderately Dischargeable
- C - Non Dischargeable

Jakazol[®] HLF Dyes



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