

DIKAPHOR AJ CONC.

C.I. FLUORESCENT BRIGHTENER 86

Dikaphor AJ Conc. is an Optical Brightener for cellulosic fibre and gives strong brilliant slightly bluish cast on cotton. It has high affinity hence it is very suitable for exhaust application. It has very good stability in peroxide bleaching bath. It has good fastness properties.

Solubility	:	Soluble upto 70 g/c in soft boiling water.
Exhaustion	:	Exhaust from both at pH 6-12
Affinity	:	High
Whiteness Shade	:	Slightly bluish cast
Method of application	:	Exhaust and Pad Application.

Exhaust Application

<u>M :< Ratio</u>	<u>Concentration</u>	<u>Temperature</u>	<u>Time</u>
1:5 – 40	0.1 - 0.5 %	20 - 50°C	10-20 Mts.

Dikaphor AJ Conc. has a slightly less affinity for regenerated cellulose than cotton hence 2-5% Glauber's Salt calcined (O.W.F.) is added and temperature is increased to 40-60°C

Padding Application

<u>Concentration</u>	<u>Temperature</u>	<u>Time</u>
0.5 - 3 g/c	20 - 50°C	5 - 60 seconds

For regenerated cellulose 1 - 10 g/c Glauber's Salt Calcined is added in the both and temperature is increased to 40 - 60°C

Fastness Properties

Light	:	Moderate
Heat	:	Good
Sterility	:	Very good
Organic Acid	:	Moderate
Inorganic Acid	:	Unsuitable
Alkali	:	Very good
Washing	:	Good
Perspiration	:	Moderate

Compatibility

Reducing Agent	:	Moderate
Hydrogen Peroxide	:	Very good
Melamine Resin	:	Moderate
Glyoxal Resin	:	Unsuitable