

DIKAPHOR GPD

C.I. FLUORESCENT BRIGHTENER 24

Dikaphor GPD is an Optical Brightener for cellulosic fibre and gives strong brilliant bluish cast on cotton. It has low affinity hence it is very suitable for Pad Application and gives very good levelness from start to finish in continuous application. It is suitable for resin finishing by using melamine or urea resin.

Solubility	:	Soluble upto 140 g/c in soft boiling water.
Exhaustion	:	Exhaust from both at pH 4.5 - 10
Affinity	:	Low
Whiteness Shade	:	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 GPD has a slightly less affinity for regenerated cellulose than cotton hence 10-20% 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	:	Moderate
Sterility	:	Moderate
Organic Acid	:	Good
Inorganic Acid	:	Good
Alkali	:	Good
Washing	:	Moderate
Perspiration	:	Moderate

Compatibility

Reducing Agent	:	Good
Hydrogen Peroxide	:	Moderate
Melamine Resin	:	Good
Glyoxal Resin	:	Unsuitable