



# Sarex Chemicals

(A Divn. Of Saraf Chemicals Pvt. Ltd.)

501 Waterford, C Wing, C.D.Barfiwala Marg(Juhu Lane), Andheri(W),Mumbai 400 058. INDIA

Phone +91 22 42184218 Fax +91 22 42184350

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## PRODUCT LITERATURE

### CELLBIND-FF

#### Product Information

Cellbind-FF is a formaldehyde free binder for pigment printing of cellulosic and its blends. It gives very good brightness and soft and elastic handle feel to printed fabrics. It increases the resistance to abrasion. It imparts very good wash and rubbing fastness. Cellbind-FF can also be used as a coating agent to impart soft feel to the fabric.

#### Key Features & Benefits

##### Key Features

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Feel of the fabric handle

##### Benefits

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Soft and elastic handle

#### General Characteristics

Physical appearance : Off white liquid

Ionic nature : Anionic

pH of 1% solution : 8 +/- 1

Miscibility : Miscible with water

Compatibility : Compatible with anionic and nonionic products

Stability : Stable to dilute acids and dilute alkalies

#### Application

\* For pigment printing, it is very essential that the fabric should be acidic around pH 5.5 to 6.

\* To get good sharp print, the fabric should be free of salts before printing.

##### Paste preparation

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Take recommended quantity of Cellbind-FF. Add 20% water and pigment emulsion as per shade depth. Then add Urea with stirring. Then add slowly half the quantity of synthetic thickener so that paste becomes thick. Add liquor ammonia and fixer. Then add balance water with stirring. Finally add balance synthetic thickener till required viscosity is achieved. Stir it further 10 mins. to built viscosity and smoothness.



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#### RECIPE FOR PIGMENT PRINTING

For 100% Cotton (Woven or Knits)

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Pigment emulsion	upto 1%	above 1% upto 4%	above 4%
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Cellbind-FF	8%	12%	3 times the pigment
Synthick P-328	1.5%	2%	2 to 2.5%
Urea	5%	5%	5%
Saraprint-AC	--	2%	2%
Liquor ammonia		1%	2%
Water	balance	balance	balance
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Process :-

Print --> Dry in the drier at temp. above 130 deg.C --> Cure at 150 deg.C for 5 mins.

For PE/Cotton blend (Max. upto 67% PE)

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Pigment emulsion	upto 1%	above 1% upto 4%	above 4%
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Cellbind-FF	8%	12%	3 times the pigment
Synthick P-328	1.5%	2%	2 to 2.5%
Urea	5%	5%	5%
Saraprint-AC	1%	2%	3%
Liquor ammonia	--	1%	2%
Water	balance	balance	balance
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Process :-

Print --> Dry in the drier at temp. above 130 deg.C --> Cure at 150 deg.C for 5 mins.

For Coating

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Cellbind-FF : 50-70 parts  
Thickness : 2.4 parts  
Water : Remaining



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#### Precautions

Storage : Store in cool, ventilated shed away from heat and direct sunlight. Storage temperature should not exceed 35 deg C. Close lids firmly to avoid contact with air and moisture.

Shelf Life : 9 months from the date of manufacturing, if stored under controlled conditions.

[The above information is given in good faith and is without warranty]  
[ Prod.Code : L010666.docx | Last Upd. On : 23/01/25 ] [PP]

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