



# 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

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## PRODUCT LITERATURE

### CELLBIND-PD

#### Product Information

Cellbind-PD is a formaldehyde free binder. It is used for pigment dyeing and printing of cellulosic and its blends. It gives very good brightness and soft handle to dyed and printed fabrics. It imparts very good rubbing fastness. Cellbind-PD can also be used as a coating agent to impart soft feel to the fabric. Cellbind-PD is hygroscopic binder thus does not stick on the mangle during pigment dyeing.

#### Key Features & Benefits

##### Key Features

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Feel of the fabric

No Roller build-up

##### Benefits

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Soft handle

Suitable for padding application

#### General Characteristics

Physical appearance : White liquid with blue tint

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

Recipe for Pigment dyeing :

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Pigment emulsion : as per requirement

Cellbind-PD : 20-50 g/l

Saralink-ULF : 10-20 g/l

MgCl<sub>2</sub> : 3-6 g/l

Water : Balance quantity

Or

Cellbind-PD : 20-50 g/l

Citric acid : 0.5 g/l

Water : Balance quantity

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Process :-

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Pad --> Dry in the stenter at temp. 150 deg.C

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### CELLBIND-PD

Recipe for Pigment printing :

For 100% Cotton (Woven or Knits)

| Pigment emulsion | upto 1% | above 1% upto 4% | above 4%            |
|------------------|---------|------------------|---------------------|
| Cellbind-PD      | 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             |

Paste preparation

Take recommended quantity of Cellbind-PD. Add 20% water and pigment emulsion as per shade depth. Then add Urea with stirring. Then add slowly half the quantity of synthetic thickener Synthick P-328 so that paste becomes thick. Add liquor ammonia and fixer Saraprint-AC. Then add balance water with stirring. Finally adjust required print viscosity by adding Synthick P-328. Stir it further for 10 mins. to built viscosity and smoothness.

N. B. for printing Pigment emulsion it is very essential that the fabric should be acidic around pH 5.5 to 6.

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)

| Pigment emulsion | upto 1% | above 1% upto 4% | above 4%            |
|------------------|---------|------------------|---------------------|
| Cellbind-PD      | 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             |

Process :-



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### CELLBIND-PD

Coating recipe :--

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Cellbind-PD : 50-70 parts  
Thickner : 2-4 parts  
Water : Remaining

#### 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]  
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