

TECHNICAL DATA SHEET

Document No : 2018/01/12378

Published date : 15.01.2019

Revision No 1

Revision Date : 01.01.2019

CHEMPRINT CS50

CHARACTERISTIC

| | |
|---------------------------|---|
| Chemical Structure | Aqueous dispersion of acrylate and alginate blend |
| Appearance | Grey/Beige |
| Ionic Structure | Anionic |
| pH Value | 6.5-8.5 (%2 stock solution) |

PROPERTIES

- **CHEMPRINT CS50** can be applied with auxiliaries and dyestuffs used in reactive print pastes.
- **CHEMPRINT CS50** is sensitive to water hardeners, electrolytes, ionic auxiliaries and dyestuffs. The viscosity drops and in extreme cases precipitations occur.
- Due to their optimum product purity print pastes produced with CHEMPRINT CS50 are easy to strain and thus most suitable for finest engravings.
- The dried and fixed print paste films are easy to remove in anormal washing-off process.
- **CHEMPRINT CS50** possessed high color yield , good levelness , good plastic properties and excellent sharp print outlines.

APPLICATIONS

CHEMPRINT CS50 PRINTING THICKENER PREPARATION METHOD SUGGESTED

Reactive Printing Recipe – 1000 gm

- 1- WATER --- X gms
- 2- Sod.Bicarb --- 30 - 40 gms (depending on fabric mill to mill)
- 3- Resist Salt --- 20 gms
- 4- CHEMPRINT CS50 --- 27.5 to 35 gms (to achieve satisfactory printable viscosity in any given shop floor conditions / fabric depending on target stock paste prepared for the printing)
- 5- CHEMGREEN URX --- 5 gms. , if necessary 20 grams UREA may be added time to time.

Note – CEMPRINT 232 is a rheology modifier we recommend for color enhancer which can be added time to time to economise the print recipe.

TECHNICAL DATA SHEET

Document No : 2018/01/12378

Published date : 15.01.2019

Revision No 1

Revision Date : 01.01.2019

CHEMPRINT CS50

Stock Paste Preparation

Add 50 percent water and then in high speed stirring , Add required quantity of chemicals in the following order only

1. RO Water -----
2. Sodium Bicarb/Alkali -----
3. Resist Salt.

Continue high speed stirring for 5 mins and add the required quantity of

4. CHEMPRINT CS50 , Further continue high speed stirring for 10 mins.

5. Required Quantity of CHEMGREEN URX and continue high speed stirring for 5 mins.

Make up the volume with RO water and stir for another 40 mins. Hold the stock paste of 100 Liters thus prepared for 2 hours. At the time of use stir and use.

On addition of dyestuff the viscosity drops to a printable viscosity of 50 – 60 dpas. It is the inherent character of CHEMPRINT CS50

Please note if you are printing with alginate the viscosity does not drop after addition oflike this so need not to worry it is the characteristic of synthetic thickener. Always be rest assured the Chemprint Thickener system maintain viscosity at 45 to 50 dpas higher than alginate. The alginates in use are printable viscosity at 45 to 50 dpas in Indian saree-viscose/cotton segment so we recommend 50-60 dpas.

PACKAGING

Plastic drums of 60 and 120 kgs