

**REPROCIL**  
**(SYNTHETIC THICKNER)**

**IN TEXTILE PRINTING:**

REPROCIL is Synthetic Thickener useful in printing of Textiles with Reactive, Disperse and Acid Dyes etc; along with gums normally used. It is compatible with all types of Gum pastes and is stable to mild alkaline and acidic condition usually present in print pastes of different colours.

REPROCIL paste along with gum paste enhances better dye transfer properties, which allow pick up of the print paste to be reduced by up to 25%.

Once fixed, its retention of dye on the surface, results in enhanced color yield in effect less print paste is consumed and more effective use is made of the dye. The reduced pick up also results in reducing the thickener film i.e. thinner film of the thickener than normal and it thus form less of barrier to effective dye fixation during steaming or silicate method.

**PREPARATION OF REPROCIL PASTE :**

Take 4 to 5 kgs. REPROCIL powder and sprinkle it in 95 to 96 kg. hot water (Temp.70°), stir it for few minutes to make a paste. Cool it to room temperature. Thick paste is obtained after the paste is cooled to room temperature.

**PRECAUTION :**

While making paste ensure that no powder grains remain in paste. The paste must be smooth without any grains.

**REPROCIL IN REACTIVE PRINTING :**

REPROCIL paste (4%) is mixed with gum paste in 30 : 70 ratio to make final paste.

i.e. Take   30 Kg.       - REPROCIL Paste 4%  
          Add    70 Kg.       - Gum or Alginate Paste  
          -----  
              100 Kg.  
          -----

... 2 ...

Mix well with stirrer to get uniform paste.

This paste then can be used for printing along with normal additives.

**ADVANTAGES :**

1. Better color yield
2. Brighter prints
3. Easy Washability
4. Soft & Supple feel for printed cloth

**REPROCIL IN ACID & DISPERSE DYE PRINTING :**

REPROCIL can also be used in acid and disperse dye printing.

REPROCIL paste (5%) is mixed with normal gum paste in 20 : 80 ratio to make final paste.

i.e. Take 20 Kgs. - REPROCIL Paste 5%

Add 80 Kgs. - Gum Paste

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100 Kgs.  
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Mix well with stirrer to get uniform paste. This paste then can be used with normal additives for printing of Disperse or Acid dyes.

**ADVANTAGES :**

1. Better color value
2. Brighter prints
3. Evenness of the print in blotches
4. Easy washability
5. Soft & Supple feel on printed cloth

...3/-

... 3 ...

**ECONOMICS :**

The costliest product in final print-paste is the dyestuff. By using REPROCIL in gum paste, nearly 15 to 20% more color realization takes place and thus there is saving of costly dyestuff to that extent. Hence it is always economical to use REPROCIL in printing as it saves on your dyestuffs.

In addition to above, it gives better quality of prints with soft and supple feel.

**NOTE :**

Though above recipe has been standardized by making different trials in our laboratory, user should make their own changes, if required, depending upon different conditions, quality of fabric and other parameters. No liabilities can be accepted by us and users can try this system at their own risk.

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