



Thickenol RD... Series

(Reactive printing thickener)

1) Product Description

Paste form printing thickener specially developed for reactive printing on cotton and rayon (viscose) fabrics.

2) Properties

| | | |
|-------------------|---|--|
| Appearance | - | Creamish viscous liquid with mild odor |
| pH | - | 7 ± 0.5 |
| Solubility | - | soluble in cold water |
| Ionic | - | anionic |
| Machinery | - | Rotary, flat-bed screen printing machine |

3) Advantage

- 3.1) Forms paste in water quickly at room temperature, suitable for both high speed and low speed agitators (stirrer)
- 3.2) Significantly improves printing color value, can save reactive dyestuff dosage by 10%-20%
- 3.3) Imparts brilliant color shade, sufficient penetration and good leveling printing effects
- 3.4) Easy wash-off after printing-steaming, suitable for woven, knit and terry towel
- 3.5) Good compatibility with dyes and chemicals, good color fastness
- 3.6) Good preservative properties, consistent quality
- 3.7) No APEO, complies with OEKÖ - TEX STANDARD 100

4) Application

Stock Paste

Stock paste recipe : Stock paste viscosity range 5,000 – 10,000 cps

| | |
|-------------------------------|-----------------|
| Thickenol RD... Series | 30 – 40 KG |
| Sodium bicarbonate | 20 – 30 KG |
| Soda ash (optional) | 10 – 20 KG |
| Urea | 100 – 150 KG |
| Resist salt (or GREEN RS) | 5 – 10 KG |
| Water | X KG |
| Total stock paste | 1,000 KG |





5) Procedure

Put water in the container, start agitator (stirrer) on low speed, put the chemicals in and dissolve; put **Thickenol RD... Series** in; keep the agitator running at high speed or low speed, stir until homogeneous paste is formed.

Usually it takes around 30 min. for the paste to fully swell if stir at high speed (>1000 rpm), or 60 – 120 min. when stir at low speed (60 – 120 rpm). However, after high speed stirring, the paste will become warm or even hot and viscosity drops. So it is suggested waiting until it cools down to room temperature and regains viscosity.

6) Notice

- 6.1) Adding biocide can keep the paste fresh for longer time
- 6.2) **Thickenol RD... Series** can be used alone or together with other thickeners such as sodium alginate. It is suggested that trials should be conducted to decide dyestuff compatibility and fabric suitability

7) Safe use and handling

Good hygienic and industrial practices should be followed and, when employed as recommended, **Thickenol RD... Series** will not present any hazard. However, prolonged skin contact with the neat product should be avoided and any splashes on the skin should be washed off with water.

The information herein is, to the best of our knowledge, correct and complete. It is based not only on the work in our laboratory but also on the reported results of other workers in this field. It is offered without guarantee of specific properties and no patent liability is assumed. No liability can be accepted for any loss, injury or damage resulting from its use.

