

## **Discharging Dye with Thiourea Dioxide and Rongalit ST**

### **Discharging with Thiourea Dioxide Print Paste**

To make a thiourea dioxide discharging paste for use on cellulose fiber, add 1 teaspoon of thiourea dioxide and 1 teaspoon of soda ash to 1/2 cup of thickened chemical water (dissolve the soda ash first in a small amount of hot water). Stir and dissolve the chemicals into the thickener, then print or apply the resulting discharge paste. This paste does not remain stable for extended periods of time.

While the discharge areas are still damp, remove the fabric from the printing surface and iron the discharge areas to activate the discharge. Be sure to protect the iron and ironing board with paper towels! Wash and rinse the fabric thoroughly to remove the paste. Results obtained from this process will usually be quite different from those obtained with the chlorine bleach process.

Should you find it inconvenient to iron the fabric while the discharge paste is still damp, similar results can be obtained by steaming the dry fabric for ten minutes.

### **Discharging with Rongalit ST Print Paste**

There are two different formulations of rongalit discharging paste for use on cellulose fiber, one using soda ash to add alkalinity and the other using ammonia. Both give similar discharging results, must be steamed for best results and remain stable for extended periods.

The soda ash version uses 4 teaspoons of rongalit and 3/4 teaspoon of soda ash per 1/2 cup of thickened chemical water. Steam the dry fabric for ten minutes.

To make 1/2 cup of the version using ammonia, combine 2-1/2 teaspoons of rongalit, 3/4 teaspoon of ammonia, 5 grams of urea and 109 ml of water; add the appropriate amount of sodium alginate for your intended use. Steam the dry fabric for ten minutes.

### **Discharging with Rupert Gibbon & Spider Discharge Paste**

This paste is for use on natural fibers, is pre-mixed and remains stable for extended periods. While very convenient to use, it also smells more strongly than any of the above pastes. You can either steam the fabric after the paste is dry, or iron the fabric while the paste is still damp. Discharging results are similar to those obtained using Rongalit ST print paste and steaming the fabric.

**BE SURE TO USE GOOD VENTILATION WHEN WORKING WITH DISCHARGE!**