

Cibacron F Reactive Dyes – Low Temperature Immersion

To prepare a **2% Dye Stock Solution**, paste 20 grams of dye powder in a small amount of warm (110 degrees F) water. Add water gradually to a total of 1000 ml, mixing thoroughly. Add a drop of white vinegar to each stock solution, and refrigerate until needed.

Dye Procedure for 1 ounce of goods

1. Scour goods to be dyed in a solution of very hot (140 degrees F) water to cover, to which you have added **1/2 tsp** of Synthrapol and **1/2 tsp** soda ash per pound of goods. Soak goods for 30 minutes, then rinse gently and thoroughly. Keep goods wet while preparing the dye bath.
2. To prepare a dye bath, measure **3 cups** of warm (110 degrees F) water. Measure and add dye stock solution(s) for the color and value desired. Add **3/4 tsp** of Calgon and the correct amount of salt. For **light values**, use **1 Tbsp** salt; for **medium values**, use **1-1/2 Tbsp** salt; for **dark values**, use **3 Tbsp** salt. Stir the dye bath well.
3. Add the scoured and wetted out goods, first squeezing out excess water. Lift and turn goods in the dye bath frequently for 15 minutes. The dye bath can be allowed to cool to room temperature during the dye process.
4. Dissolve the correct amount of soda ash in a small amount of hot water. Use **1 tsp** of soda ash for **light and medium values**, and **1-1/2 tsp** of soda ash for **dark values**. Remove goods from the dye bath, add the dissolved soda ash, and stir the dye bath thoroughly. Replace goods, and stir continually for 5 minutes. Then stir goods in the dye bath every 5 minutes for 60 minutes.
5. Remove goods from the dye bath, and discard the dye bath. Rinse the goods thoroughly in room temperature water, changing rinse water 3–4 times. (Don't allow wet goods of differing colors to rest on each other.) Then wash in very hot water (140 degrees F) with **1/2 tsp** of Synthrapol per pound of goods. Rinse well, squeeze out excess water, and allow goods to dry. Very dark colors may require a second hot wash with Synthrapol.

<u>Values</u>	<u>Amount 1.0 % stock per 1 ounce of goods</u>	<u>To Mix Secondary Colors</u>
Very pale	3/8 tsp	
Pale	3/4 tsp	orange:
Light	1-1/2 tsp	green:
Medium	1 Tbsp	violet:
Dark	2 Tbsp	
Very dark	4 Tbsp	