Dyeing Chrome-Tanned Leather using PRO MX Reactive Dyes

Please read directions carefully before starting.

❖ Wear rubber gloves, apron or old clothes.
❖ Utensils used for dyeing should never be used for food preparation.

**Supplies**
- PRO MX Dye Powder
- Synthrapol SP
- 56% Acetic Acid or 5% white distilled vinegar
- Common salt
- Clear household ammonia
- PRO Dye Activator or Soda Ash

**Procedure**

1. **Wet out 1 pound (450 gm) of leather** for 60 minutes, in the following solution:
   - 1 1/4 gallons (5 liters) of water at 120°F (49°C)
   - 2 tsp (10 ml) Synthrapol SP
   - 3/4 cup (188 ml) clear household ammonia

2. **Agitate the leather frequently**. Then rinse well in warm water.

3. **Prepare dye bath** using:
   - 1 1/4 gallons (5 liters) water 120°F (49°C)
   - up to 8% OWG PRO MX Reactive Dye
   - 8% by volume of common salt (10 oz salt per gallon (4 liters) water)

4. **Work leather for 30 minutes** maintaining temperature of 120°F (49°C) and add:
   - PRO Dye Activator or Soda Ash (equal to 25% of the weight of the dye)

5. **Work leather for an additional 60 minutes** at 120°F (49°C). Drain dye bath and rinse well in warm water. If color is not deep enough, re-dye using 1/2 the amount of dye used the first time. This will result in a darker shade than using the total amount of dye in the first bath.

6. **After thoroughly rinsing the leather**, acidify it using:
   - 1 gallon (4 liters) room temperature water
   - 3 oz (86 ml) Acetic Acid 56% (or 1 quart (1 liter) of 5% vinegar)


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