

# Metal Stain Removal Procedure



**Note:** Operating the pool for a couple of days without chlorine can create an algae concern. Follow the pool dealer's recommendations on steps to take to protect the pool from algae during this metal stain removal process.

## Step 1

Take a vitamin C tablet and apply onto stained area. If the stain is removed or lightened by the vitamin C tablet, then the **Stainfree™** products will work.

## Step 2

Balance pool water chemistry before using the **Stainfree** products: pH: 7.2-7.6, Alkalinity: 80-120ppm, Calcium Hardness: 200-400, CYA: below 50ppm  
Phosphates: ideally below 100ppb.

**Note:** Stain removal products work best when the pH is on the lower side of acceptable range (7.2).

## Step 3

**Important:** Before starting the stain removal or water discoloration process (step #4), **a pulp based filter aid must be added** to cartridge and sand filters. DE filters must be properly charged.

## Step 4

Identify which **Stainfree** product to use. For minor staining (small areas or steps), use **Stainfree** (part #07400). For faster results on older stains that appear on the floors and walls, use **Stainfree Extra Strength** (part #07395).

## Step 5

Lower chlorine level to 1ppm or less

\* A high chlorine level or adding oxidizing agents during the process will prevent the **Stainfree** products from working as designed.

## Step 6

### **For Surface Staining:**

Add 1lb of **Stainfree** or **Stainfree Extra Strength** per 10,000 gallons as close to the stained area(s) as possible with the pump off overnight.

### **For Water Discoloration:**

If the entire body of water is discolored, put the pool on recirculate, and add 1 lb of **Stainfree** or **Stainfree Extra Strength** per 10,000 gallons to the pool evenly around the edge. Let the circulation run for one hour. After one hour, shut the pump off and let sit overnight.

## Step 7

Before turning the pump back on, brush the pool walls and floor thoroughly.

## Step 8

Turn the pump on and add **METALfree™** to the pool water evenly around the edge at a rate of 33.9oz per 20,000 gallons.

**Do not exceed recommended dose\*.**

\* **Note:** Cationic polymers used in many clarifiers, flocculants and polyquat algaecides should not be dosed to swimming pool water at the same time as metal control products. Cloudy water, precipitation and reduced product effectiveness may result. Wait 24 hours between additions.

## Step 9

With the pump still on, vacuum the pool walls and floor very thoroughly.

## Step 10

After vacuuming, clean filters:

**Sand filter:** backwash for at least 3 minutes and then rinse for 2 minutes

**Cartridge filter:** clean filter and filter tank thoroughly

**DE filter:** backwash and recharge with DE

## Step 11

Test and rebalance water. **DO NOT SHOCK THE POOL FOR AT LEAST 1 WEEK.**

**Note:** If chlorine level is low after the **Stainfree** treatment, add small amounts of chlorine. Do not exceed 2ppm.

**For salt generator pools:** a granular shock is recommended instead of turning the generator to its boost (superchlorinate) function after the recommended 1 week.

## Step 12

Use **METALfree™** as a weekly maintenance to control future metal staining. Apply 4oz per 10,000 gallons once a week.

**Do not swim until stain procedure is complete and a normal chlorine residual is established.**

