

TECHNICAL SLANT



Bleach Bath

General

**Always test for color fastness before using a bleach. Bleach action doubles with every 18°F (10°C) increase.*

Name of Bleach:	Sodium Perborate	Hydrogen Peroxide	Sodium Percarbonate	Sodium Hypochlorite (Chlorine)	Sodium Bisulfite	Sodium Hydrosulfite	Titanium Stripper
Type of Bleach:	Oxidizing*	Oxidizing*	Oxidizing	Oxidizing*	Reducing*	Reducing*	Reducing*
Not safe on:	Fluorescent dyes	Some dyes	Silk, some dyes	Wool, silk, nylon and some dyes	Some dyes	Metallic fibers and some dyes	Metallic fibers and some dyes
Availability:	Powder from suppliers	3% liquid (do not use higher concentrations)	Powder from Suppliers	5% liquid from retail stores	Powder from suppliers	Powder from suppliers	Purple liquid from suppliers
Concentration for spotting or testing:	1 tsp. per 4 oz. water	Use straight 3% liquid	1 tsp. per 4 oz. water	1 part bleach to 4 parts water	1 tsp. per 4 oz. water	1 tsp. per 4 oz. water	Full strength liquid
Accelerate for testing with:	Heat	Heat & alkali (Stamford Proteen)	Heat	Heat & acid (1/2 tsp. Stamford Trik)	Acid (1/2 tsp. Stamford Trik)	Acid (1/2 tsp. Stamford Trik)	Heat
Concentration for soaking bath:	1 oz./gal water @ 100°-120°F (38°-49°C)	2 oz./gal water @ 100°-120°F (38°-49°C)	1 oz./gal water @ 80°-120°F (26°-49°C)	1 oz./gal water @ 100°F (38°C)	1 tbsp./gal water & 1/4 oz. acetic acid @ 100°-120°F (38°-49°C)	2 tbsp. /5 gal water @ 100°F (38°C)	2 oz./5 gal water @ 100°-212°F (38°-100°C)
Time in Bath:	2 to 24 hrs.	1 to 3 hrs.+	1-3 hrs.	10-30 mins.	Only long enough to remove stain	Only long enough to remove stain	Only long enough to remove stain
Follow with:	2-3 oz. acetic acid per gal water then, thorough rinsing	Thorough rinsing	On board, neutralize with acid (Trik). For soak, thorough rinsing or possible sour bath.	Antichlors then thorough rinsing	Thorough rinsing	Thorough rinsing	Thorough rinsing

Updated 3/15/18